CÓD. 286

VOLUME 2

Giannini

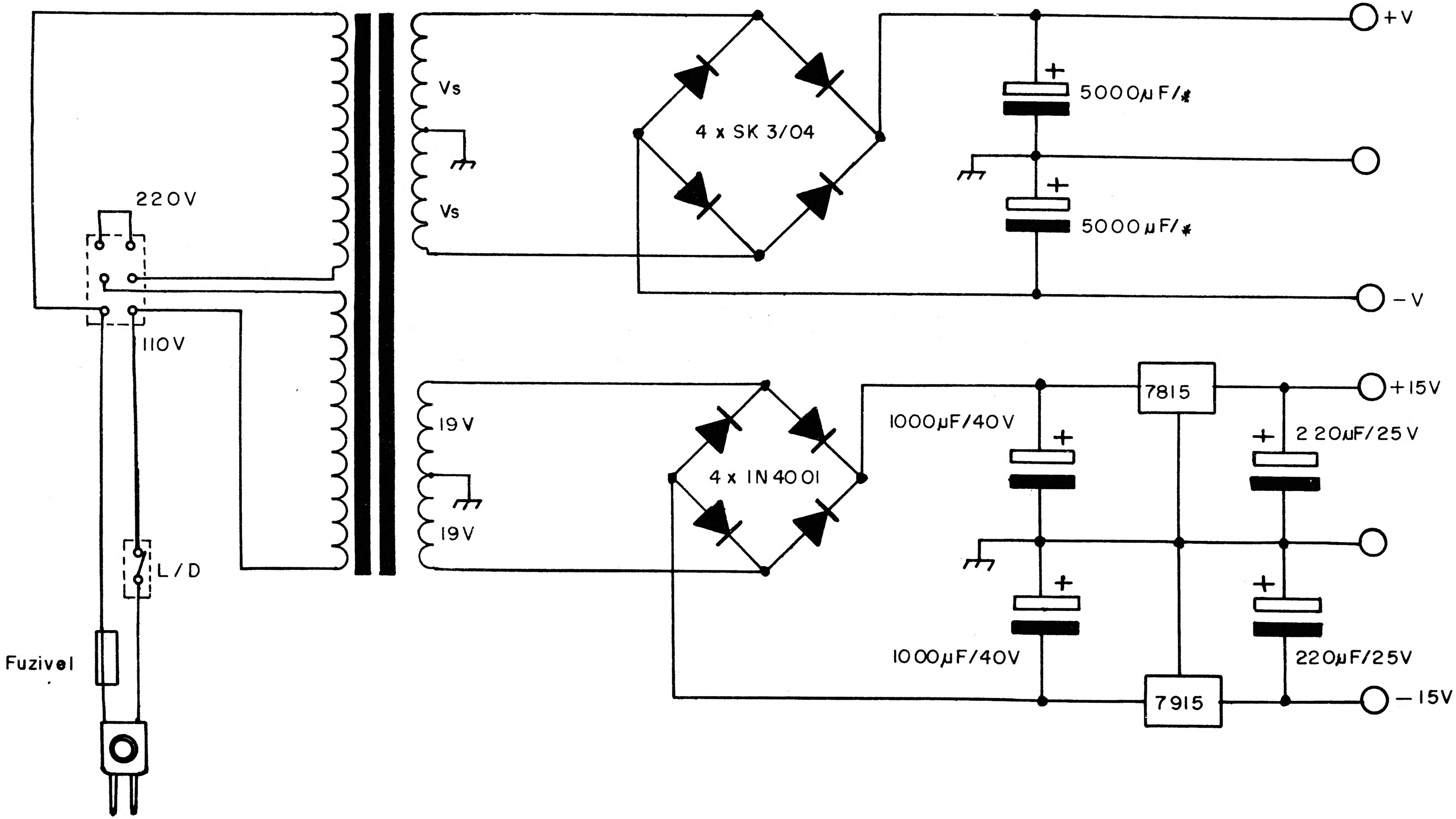
ESQUEMAS ELÉTRICOS

AMPLIFICADORES-MIXERS-EQUALIZADORES TRANSISTORIZADOS

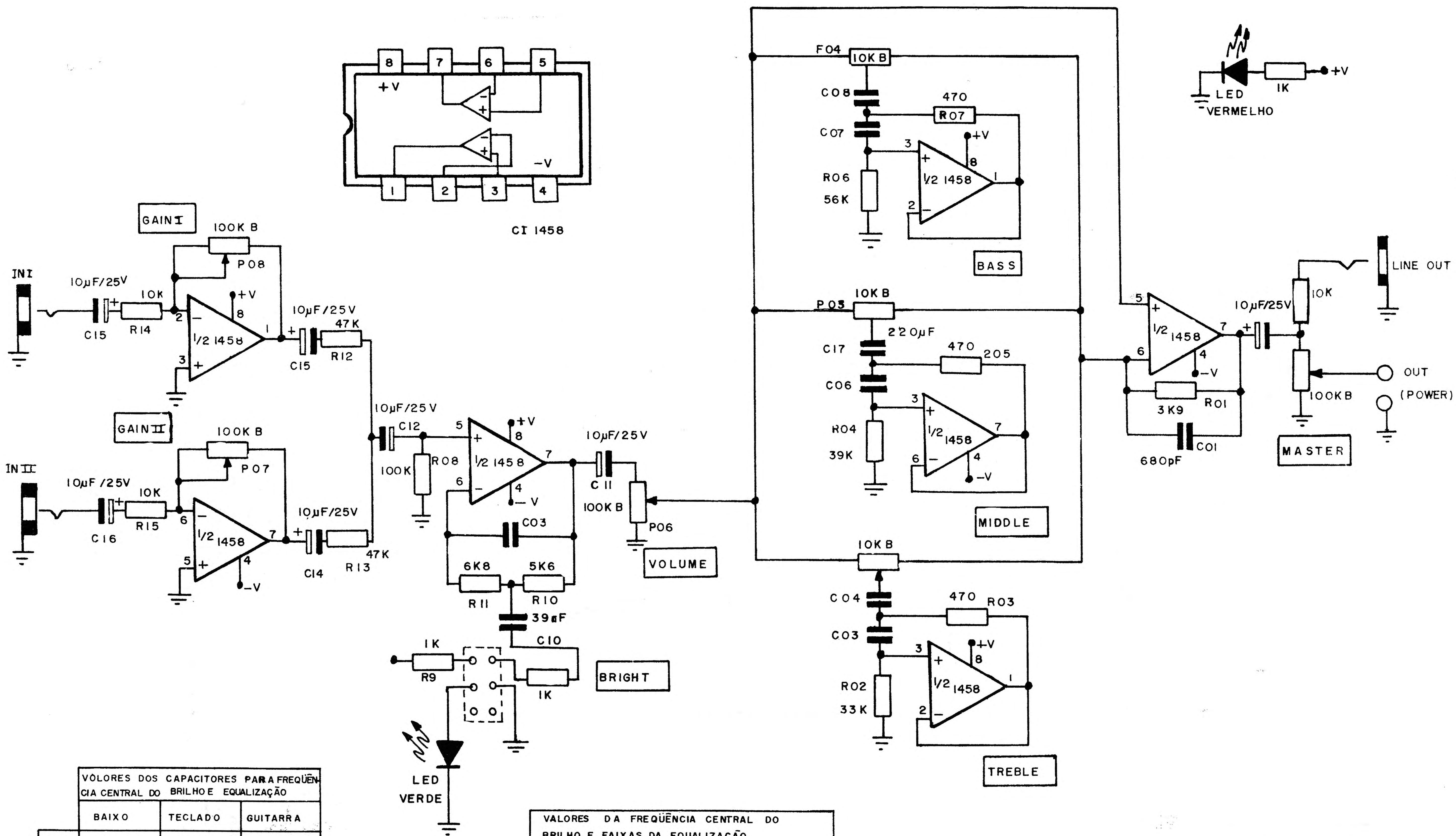
eltec®

AMPLIFICADORES

FONTE SIMÉTRICA CUBO 50 E 100



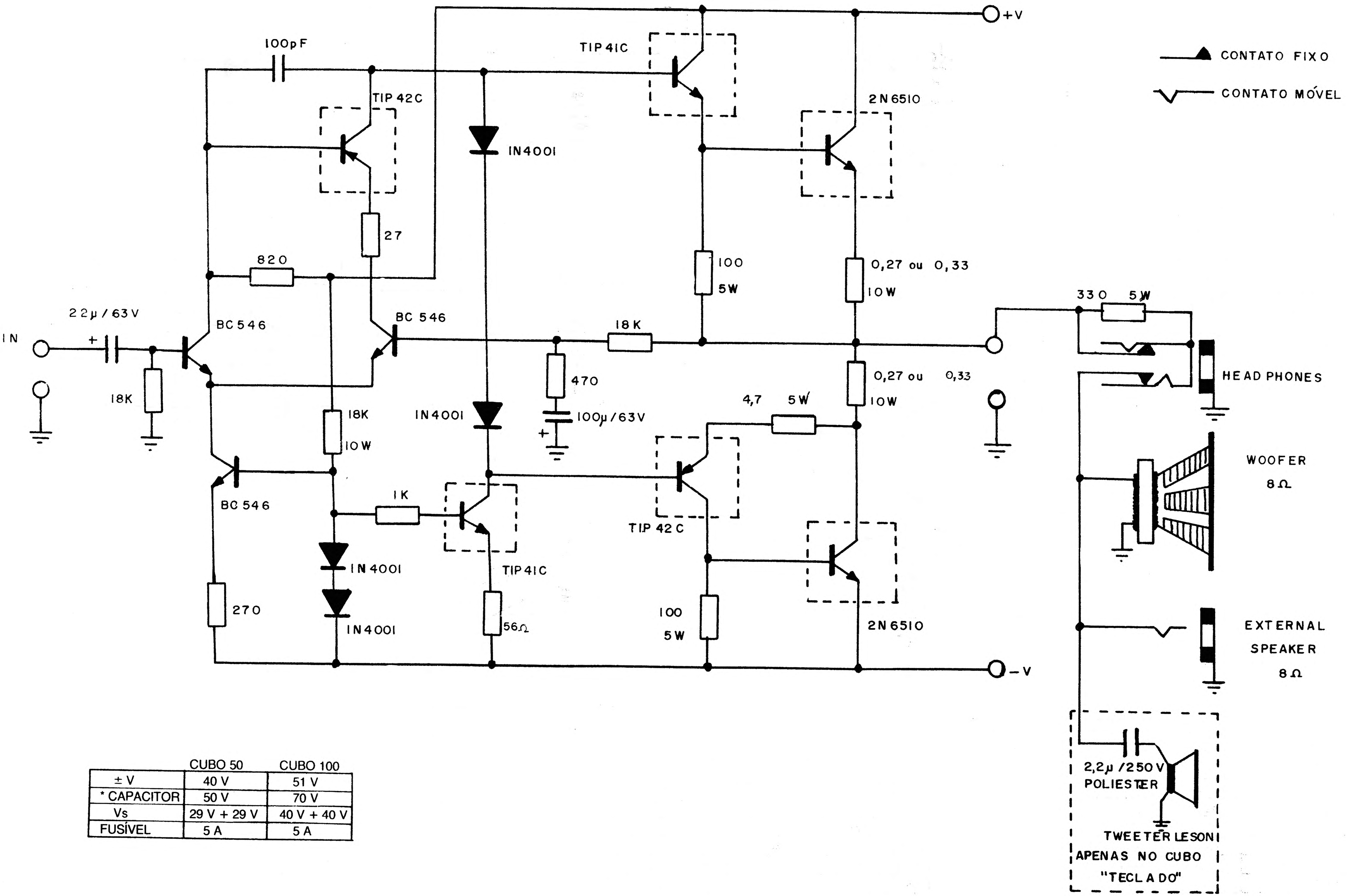
PRÉ-AMPLIFICADOR CUBO 50 E 100



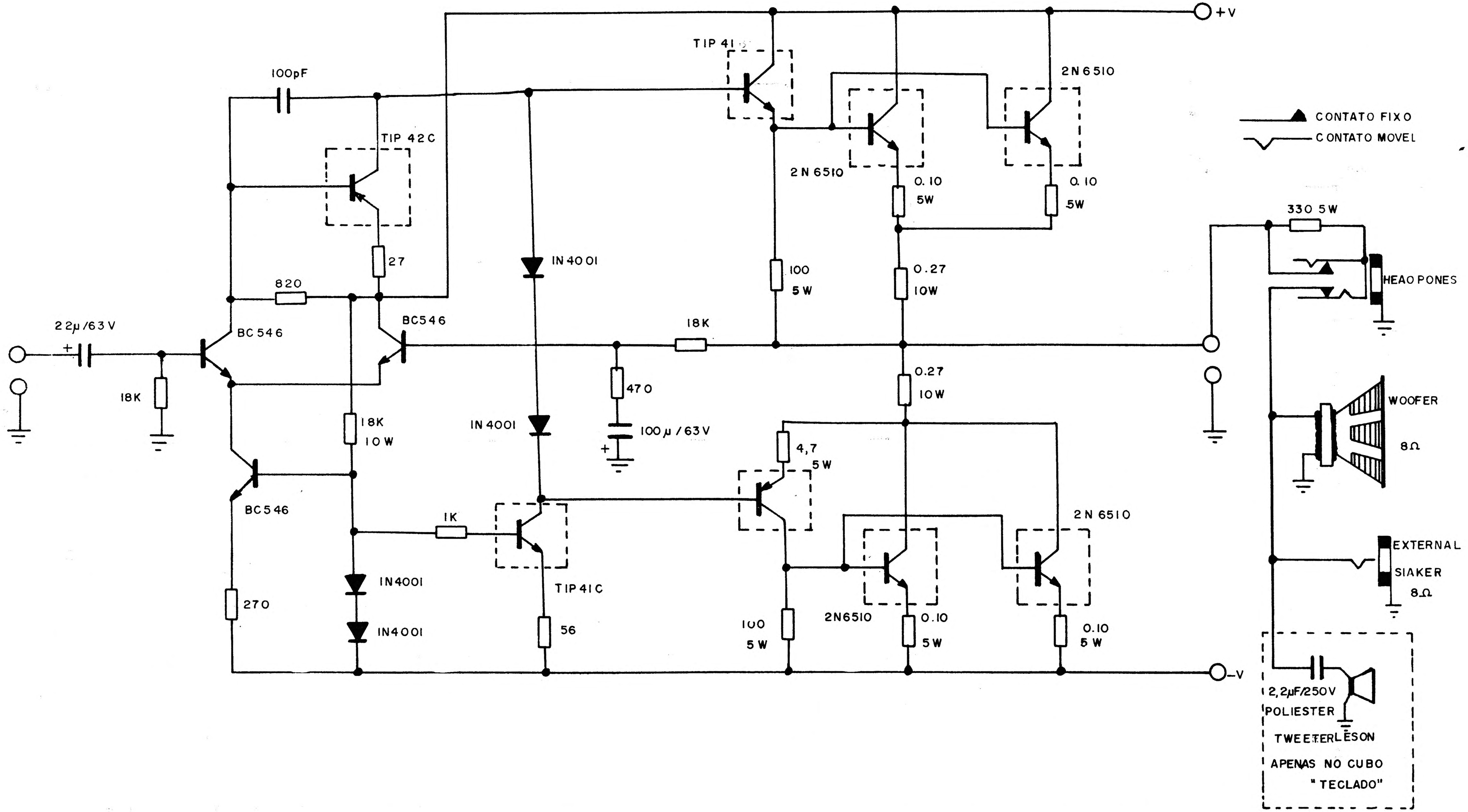
	VOLORES DOS CAPACITORES PARA FREQÜÊNCIA CENTRAL DO BRILHO E EQUALIZAÇÃO		
	BAIXO	TECLADO	GUITARRA
C09	10nF	6n SF	1nF
C08	4,7μF	4,7μF	2,2μF
C 07	100nF	39nF	22nF
C 06	68nF	3,9nF	15nF
C04	47nF	10nF	39nF
C03	4,7 nF	1,5nF	2,2nF

	VALORES DA FREQÜÊNCIA CENTRAL DO BRILHO E FAIXAS DA EQUALIZAÇÃO.		
	BAIXO	TECLADO	GUITARRA
BRIGHT	1200HZ	1.800 HZ	3.500HZ
BAS S	40HZ	60~80HZ	100 ~125 HZ
MIDDLE	330Hz	1500~2KHz	630Hz
TREBLE	2700Hz	10 KHz	4K~ 5K Hz

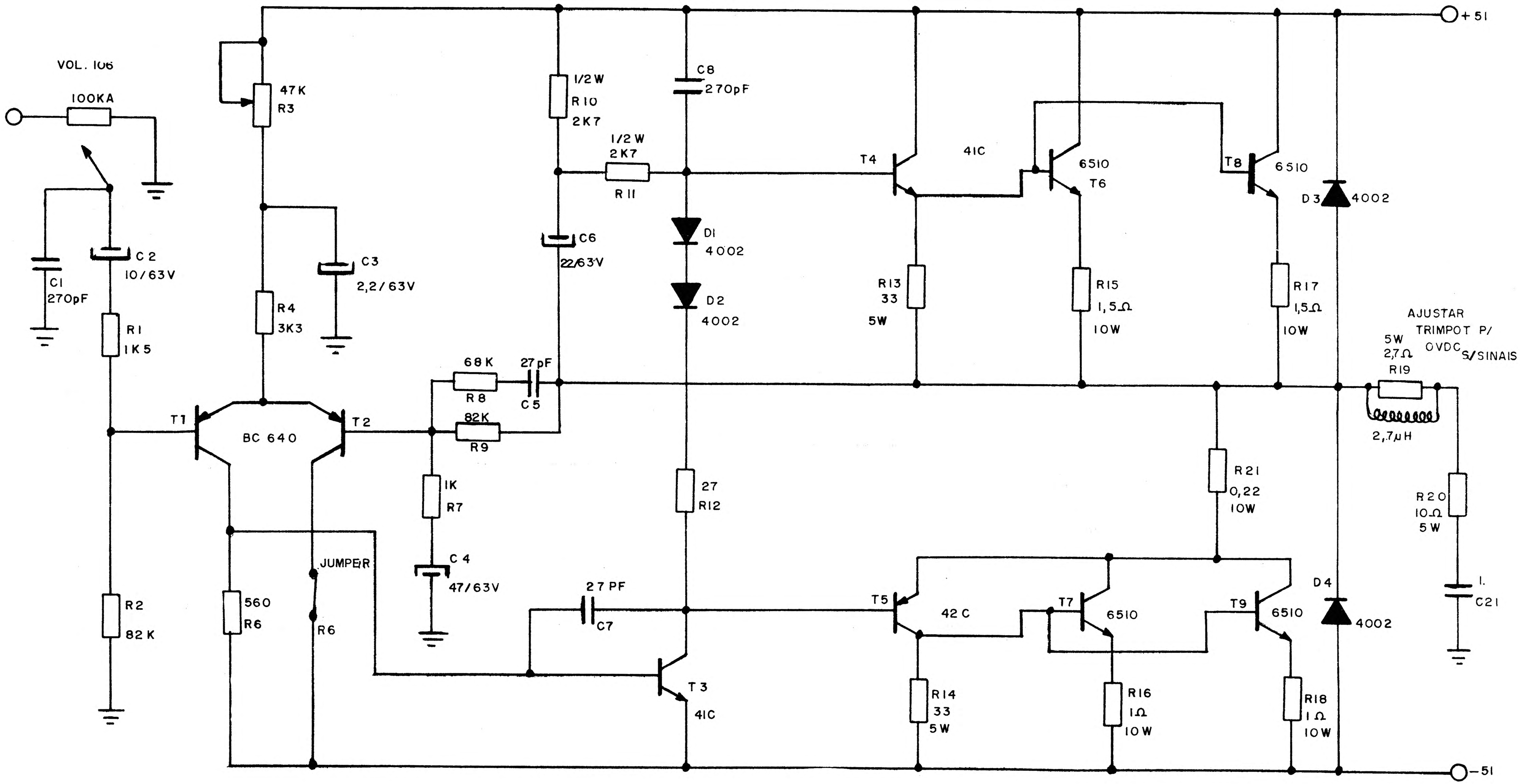
AMPLIFICADOR CUBO 50



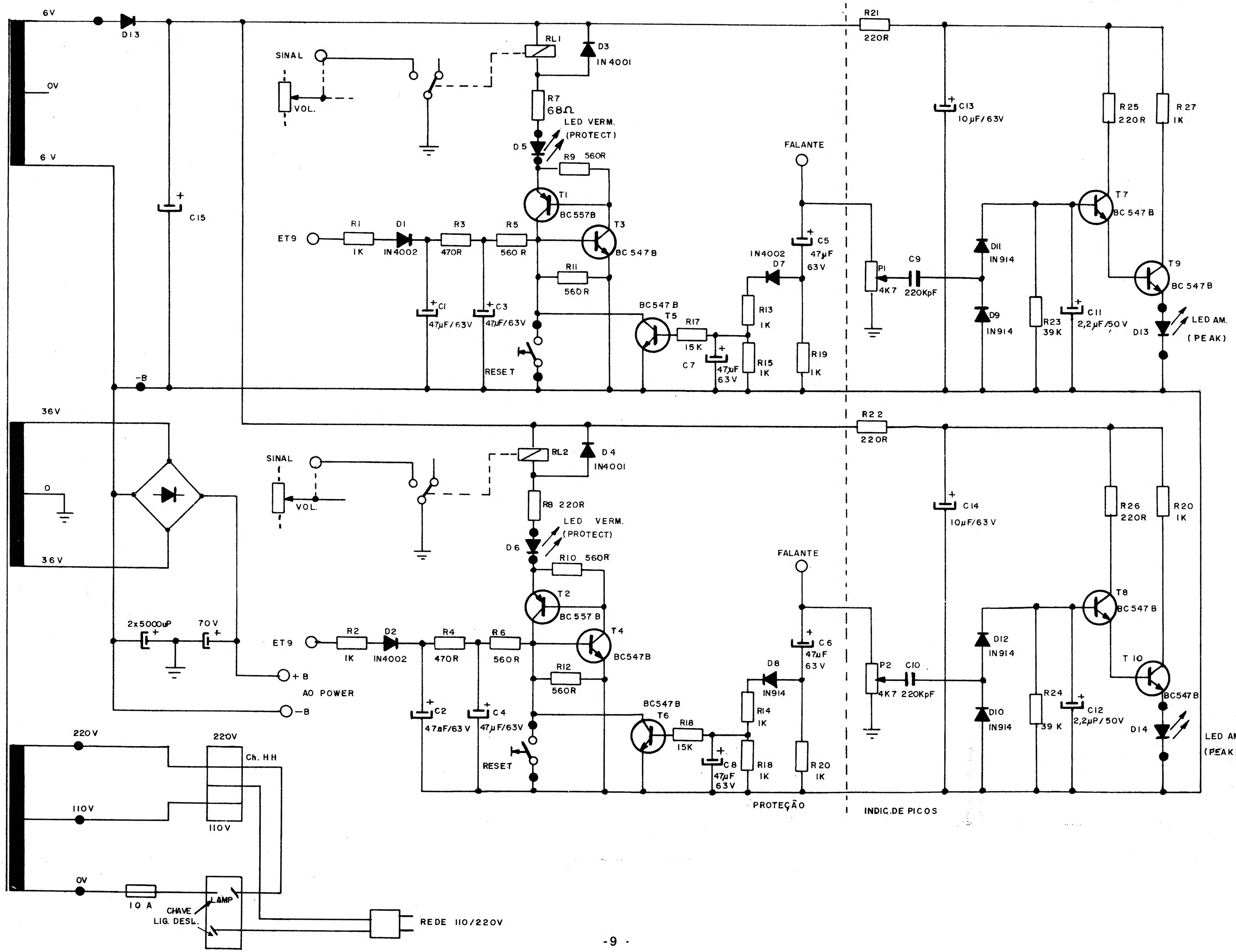
	CUBO 50	CUBO 100
± V	40 V	51 V
* CAPACITOR	50 V	70 V
Vs	29 V + 29 V	40 V + 40 V
FUSÍVEL	5 A	5 A


+V
TIP 41
2N6510
100pF
CONTATO FIXO
CONTATO MOVEL
TIP 42C
2N6510
0.10
5W
0.10
5W
330 5W
27
IN4001
100
5W
0.27
10W
HEAO PONES
820
BC546
22µ/63V
BC546
18K
18K
470
0.27
10W
WOOFER
8Ω
18K
18K
10W
IN4001
100µ/63V
4,7
5W
BC546
2N6510
EXTERNAL
SIAKER
8Ω
1K
IN4001
TIP41C
270
IN4001
56
100
5W
2N6510
0.10
5W
0.10
5W
-V
2,2µF/250V
POLIESTER
TWEETER LESON
APENAS NO CUBO
"TECLADO"

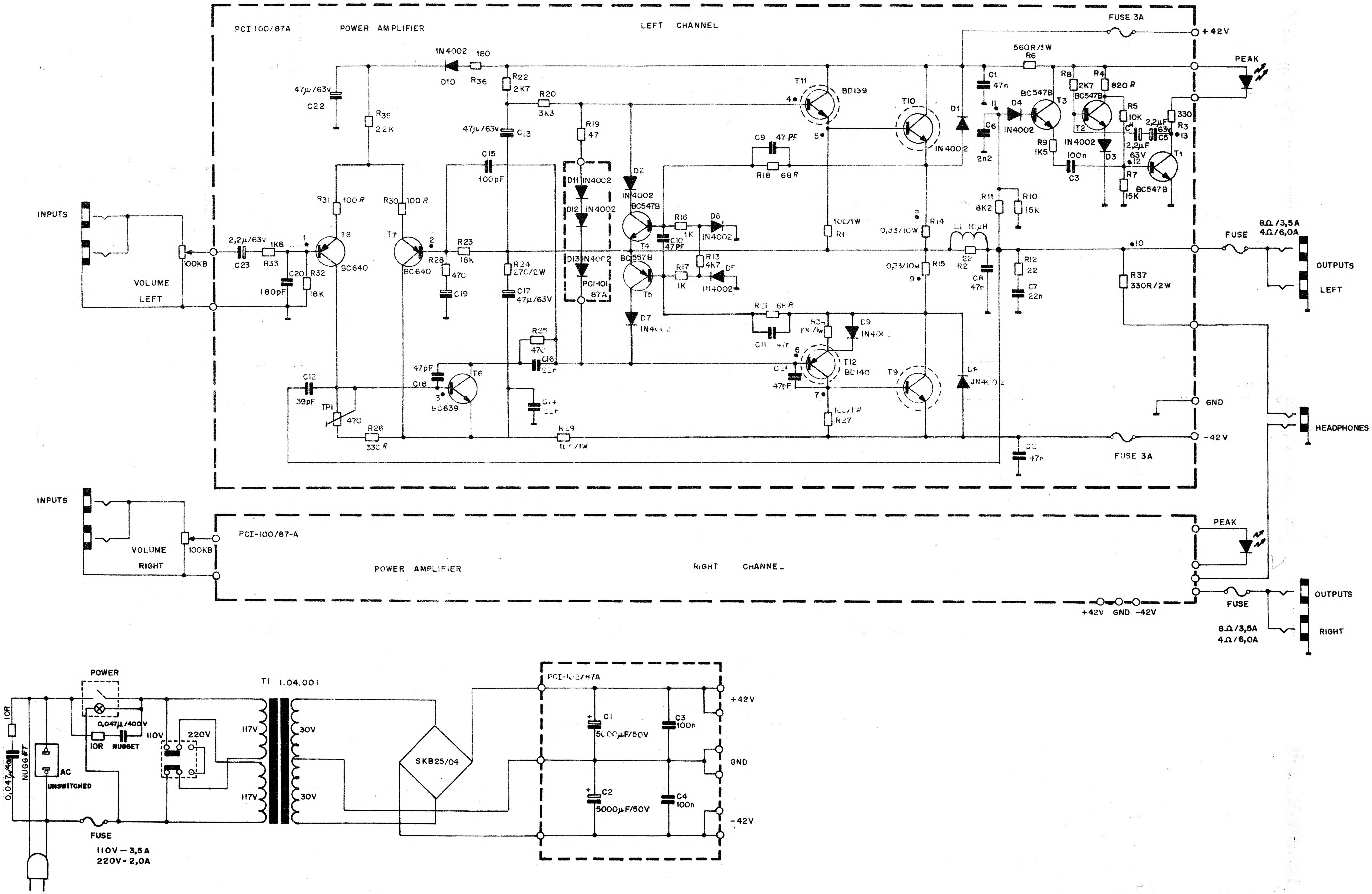
AMPLIFICADOR HEAVY METAL GP-500



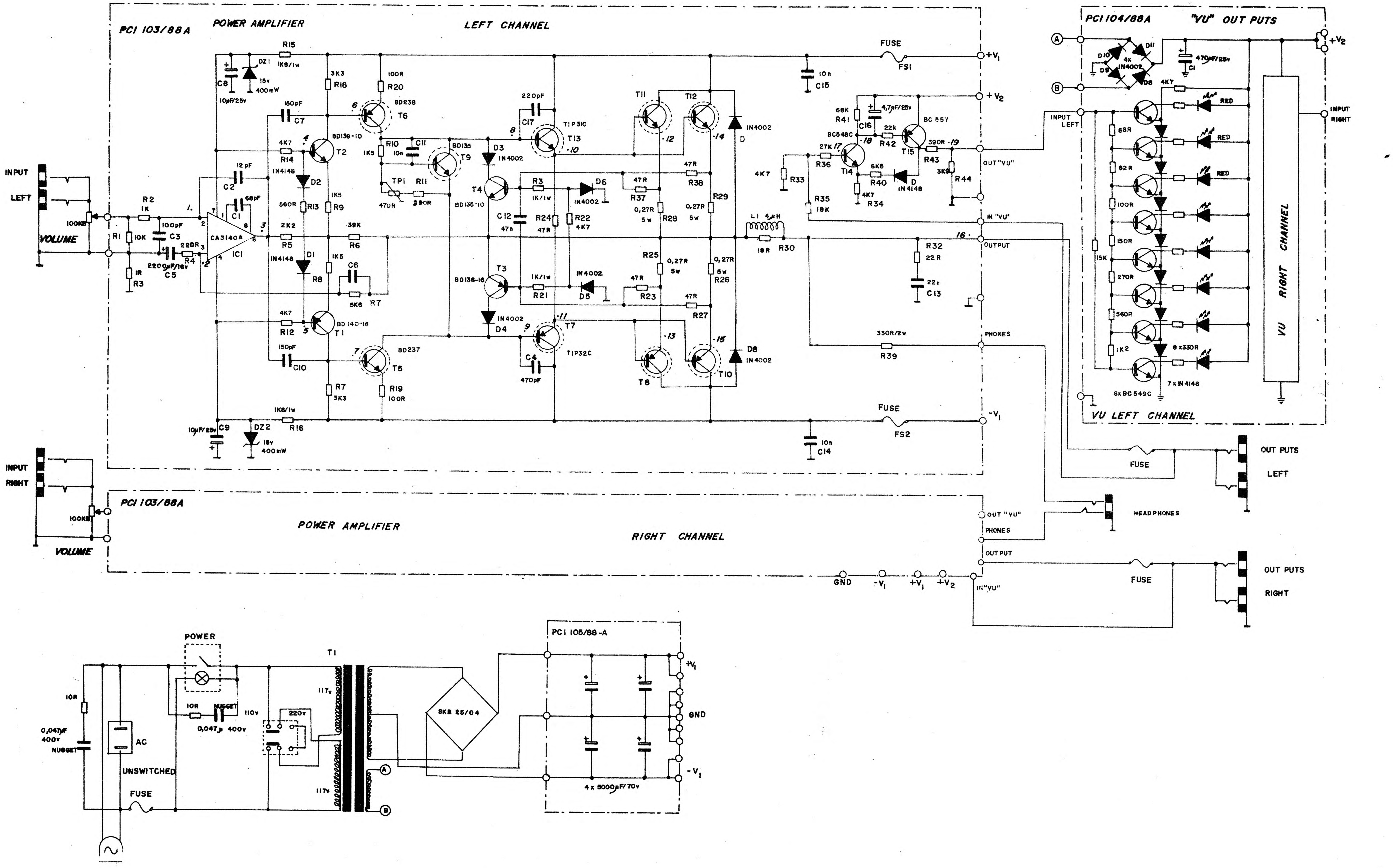
CIRCUITO DE PROTEÇÃO DO GP-500



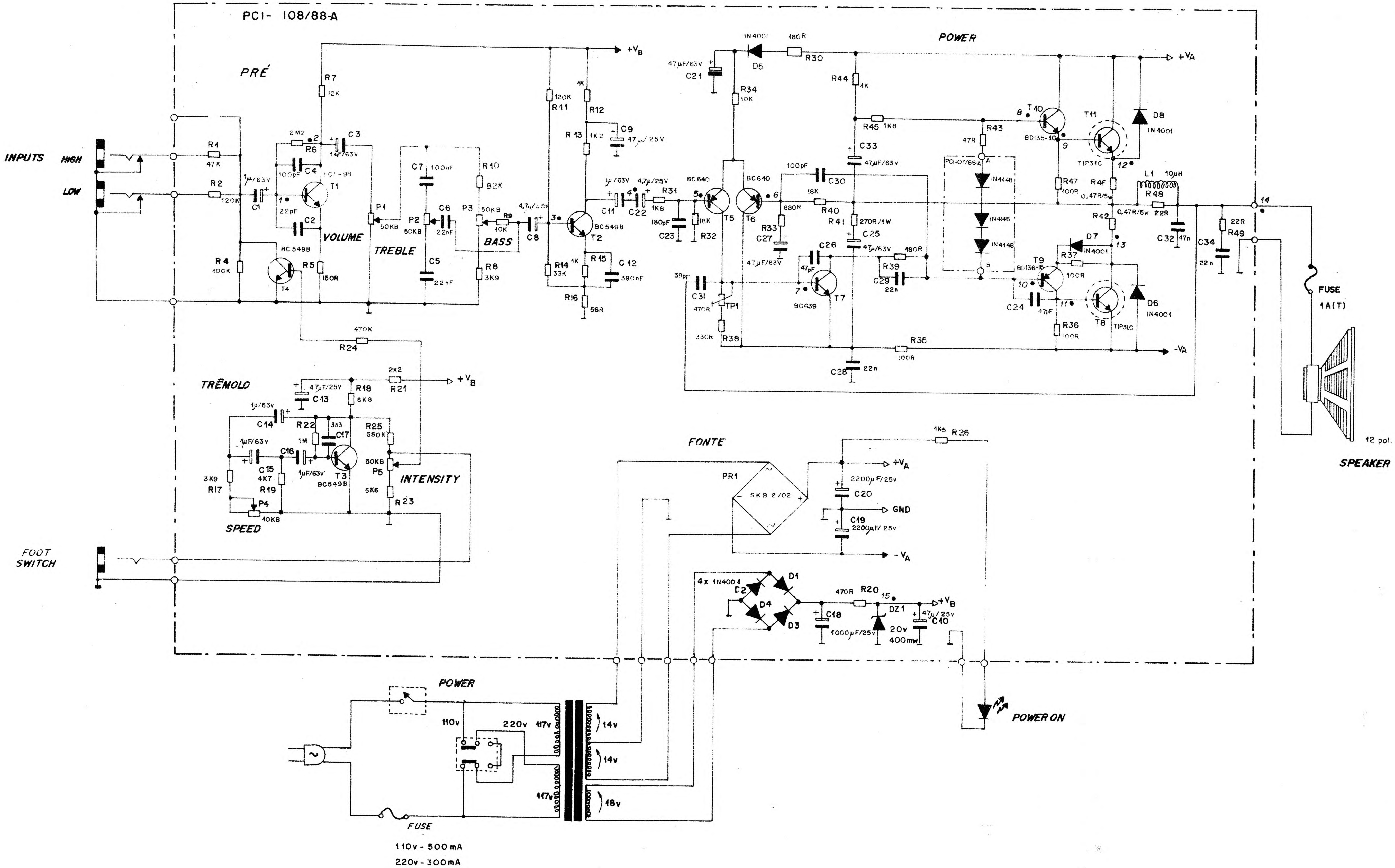
AMPLIFICADOR GP-3000

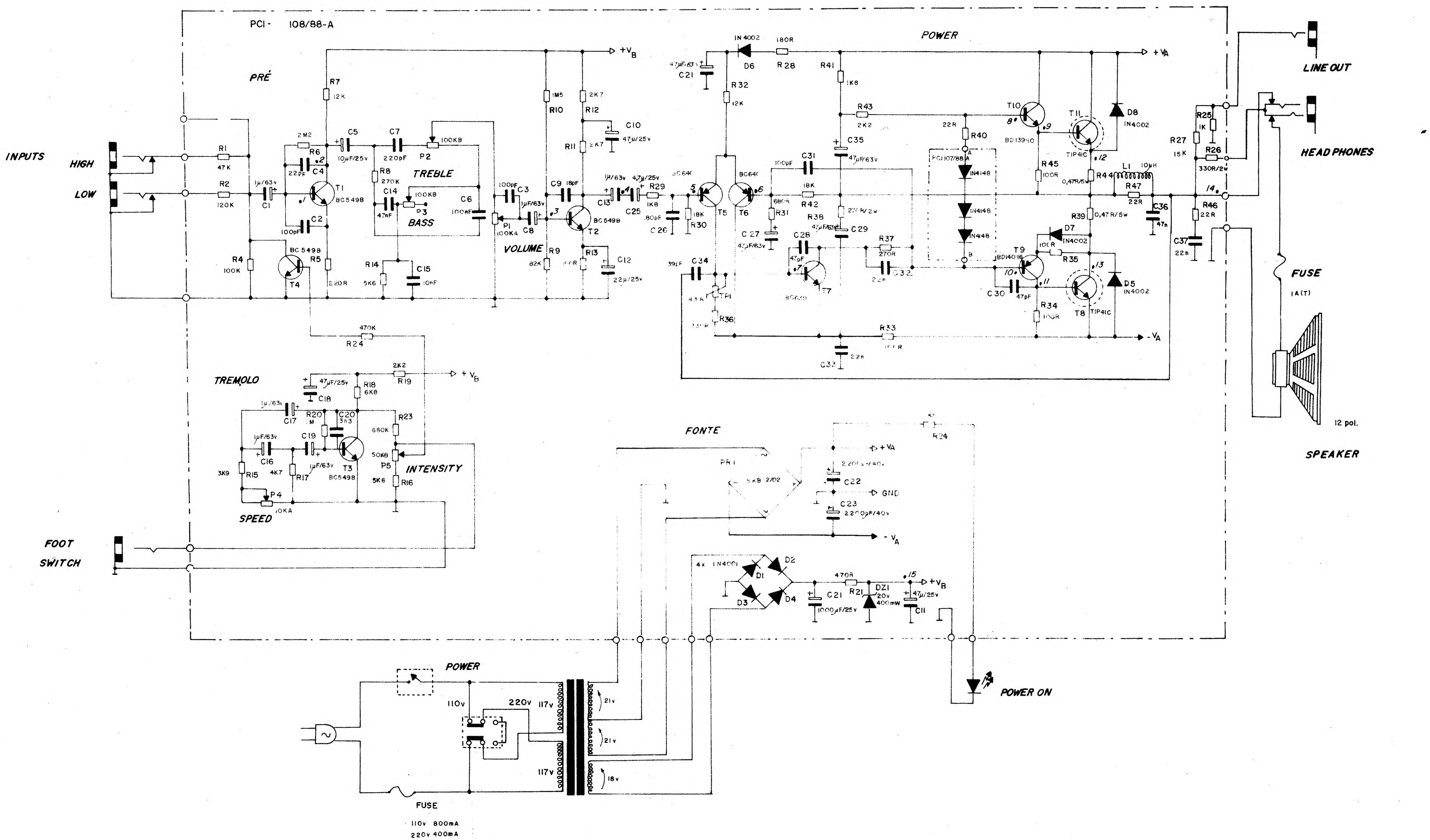


AMPLIFICADOR GP-4000

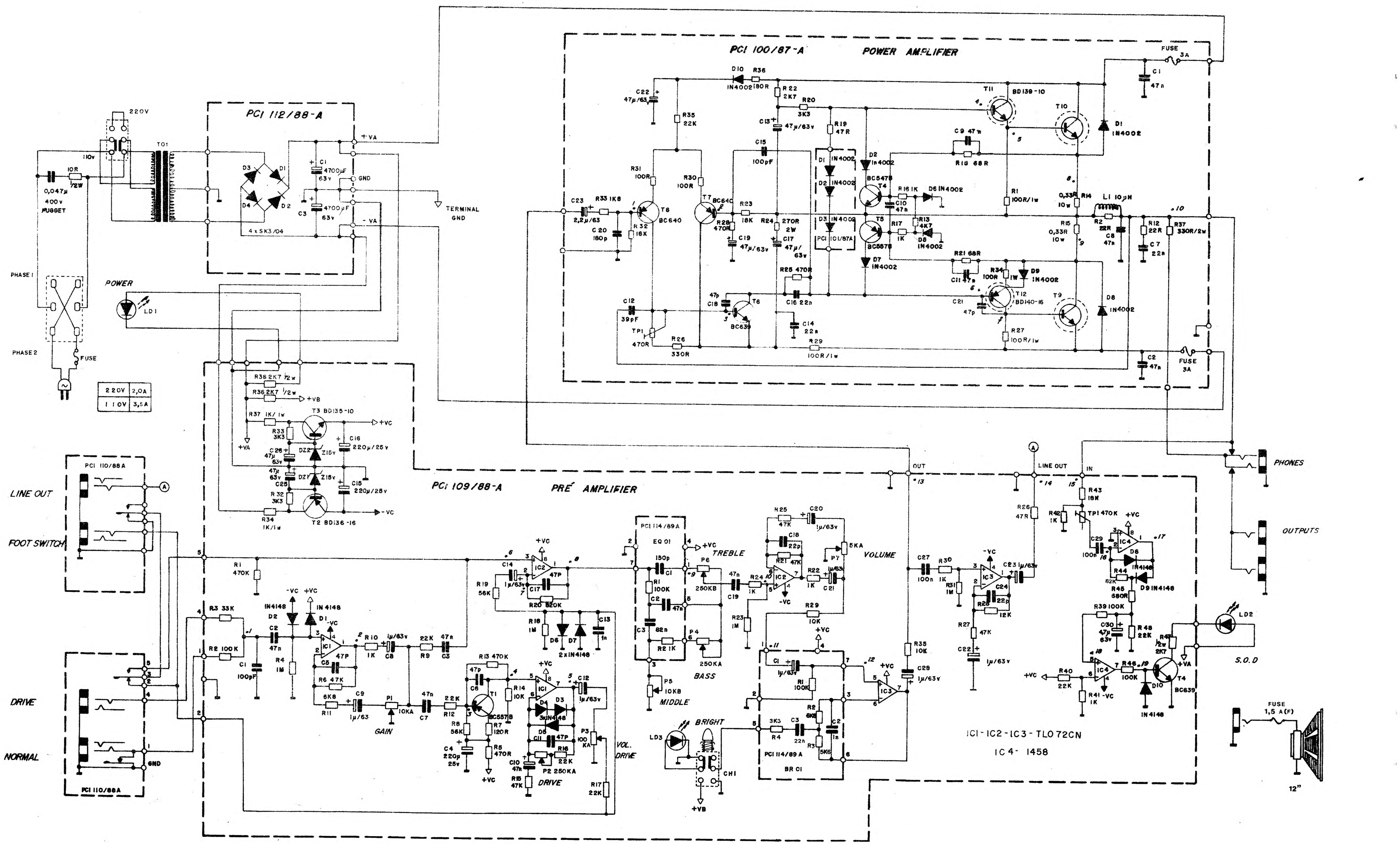


AMPLIFICADOR GIA-700



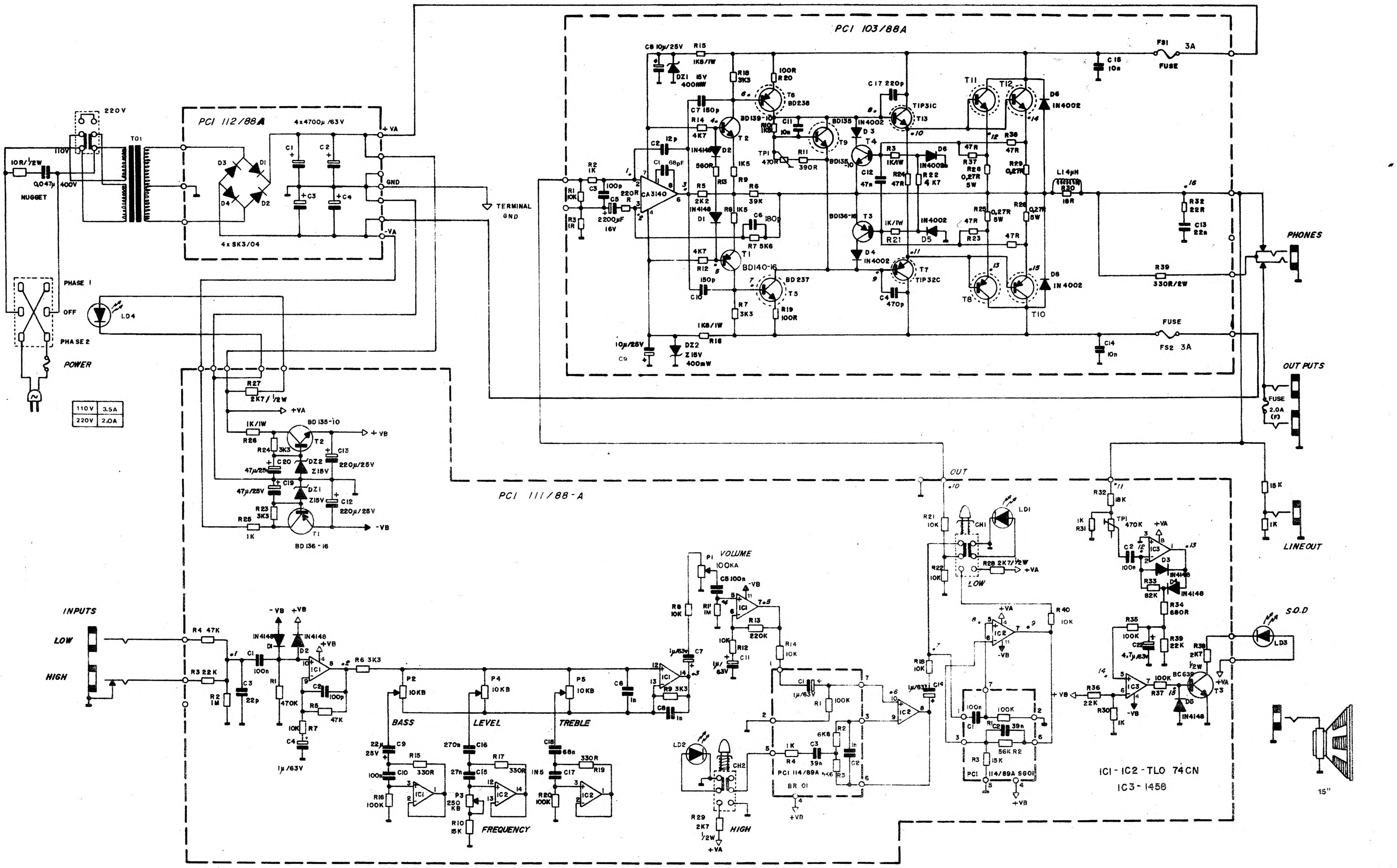

PCI- 108/88-A
PRÉ
INPUTS
HIGH
LOW
TREBLE
BASS
VOLUME
POWER
LINE OUT
HEAD PHONES
FUSE
1A (T)
12 pol.
SPEAKER
TREMOLO
SPEED
INTENSITY
FOOT
SWITCH
FONTE
POWER
POWER ON
110v
220v
117v
21v
18v
FUSE
110v 800mA
220v 400mA
+VB
+VA
-VA
GND
4x 1N4001
BC549B
BD139-10
BD140-16
TIP41C
1N4002
1N4148

AMPLIFICADOR GIA-1000 G

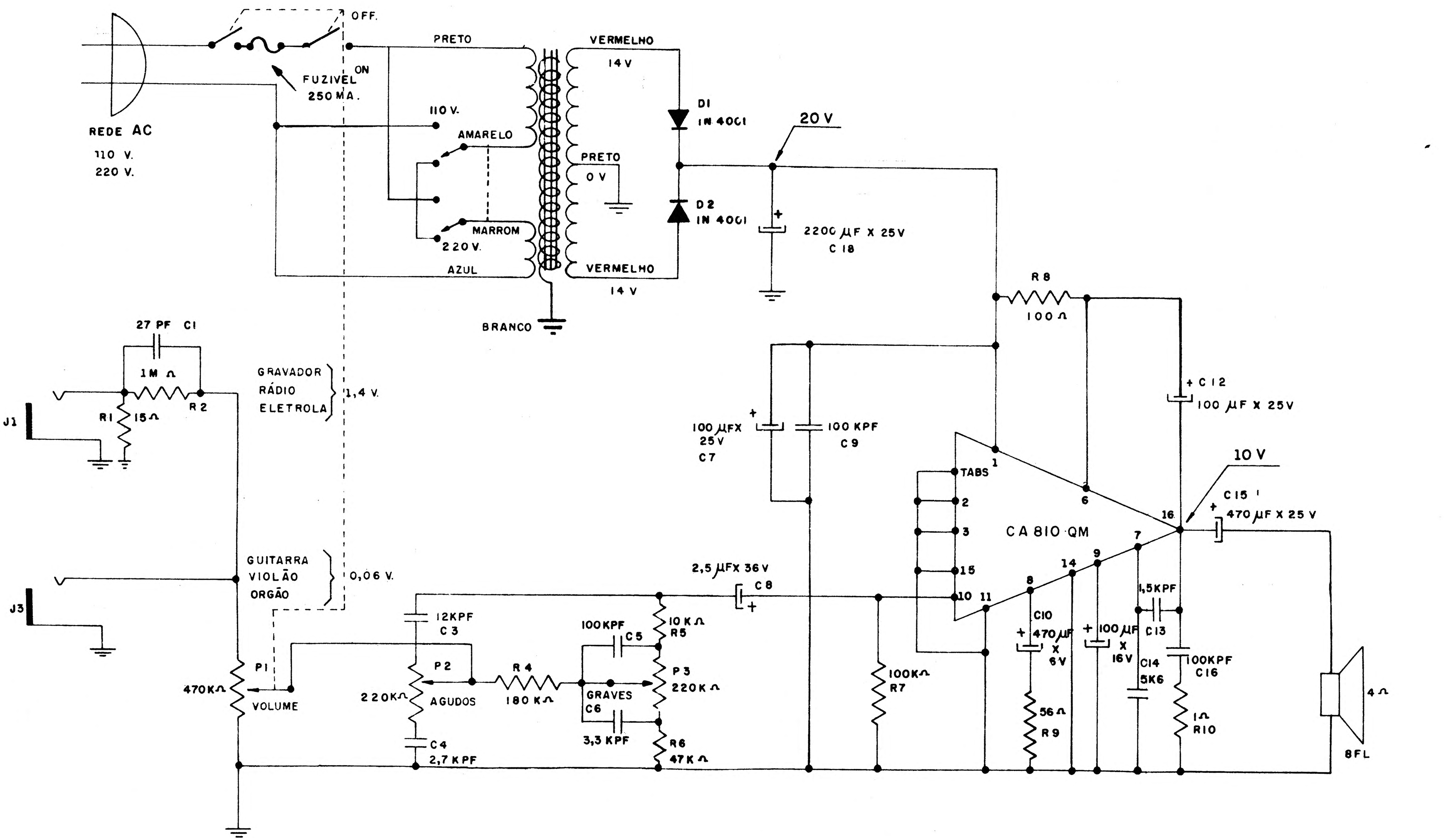


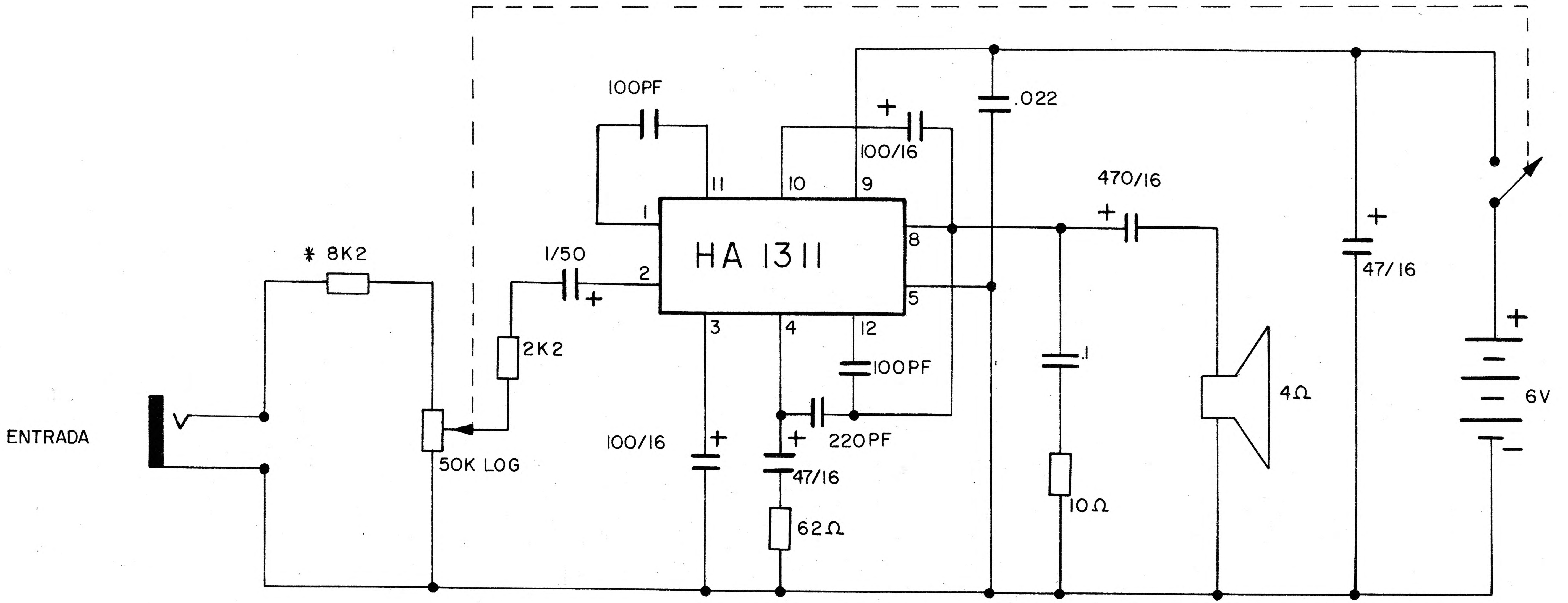
220V	2,0A
110V	3,5A

AMPLIFICADOR GIA-1100 B



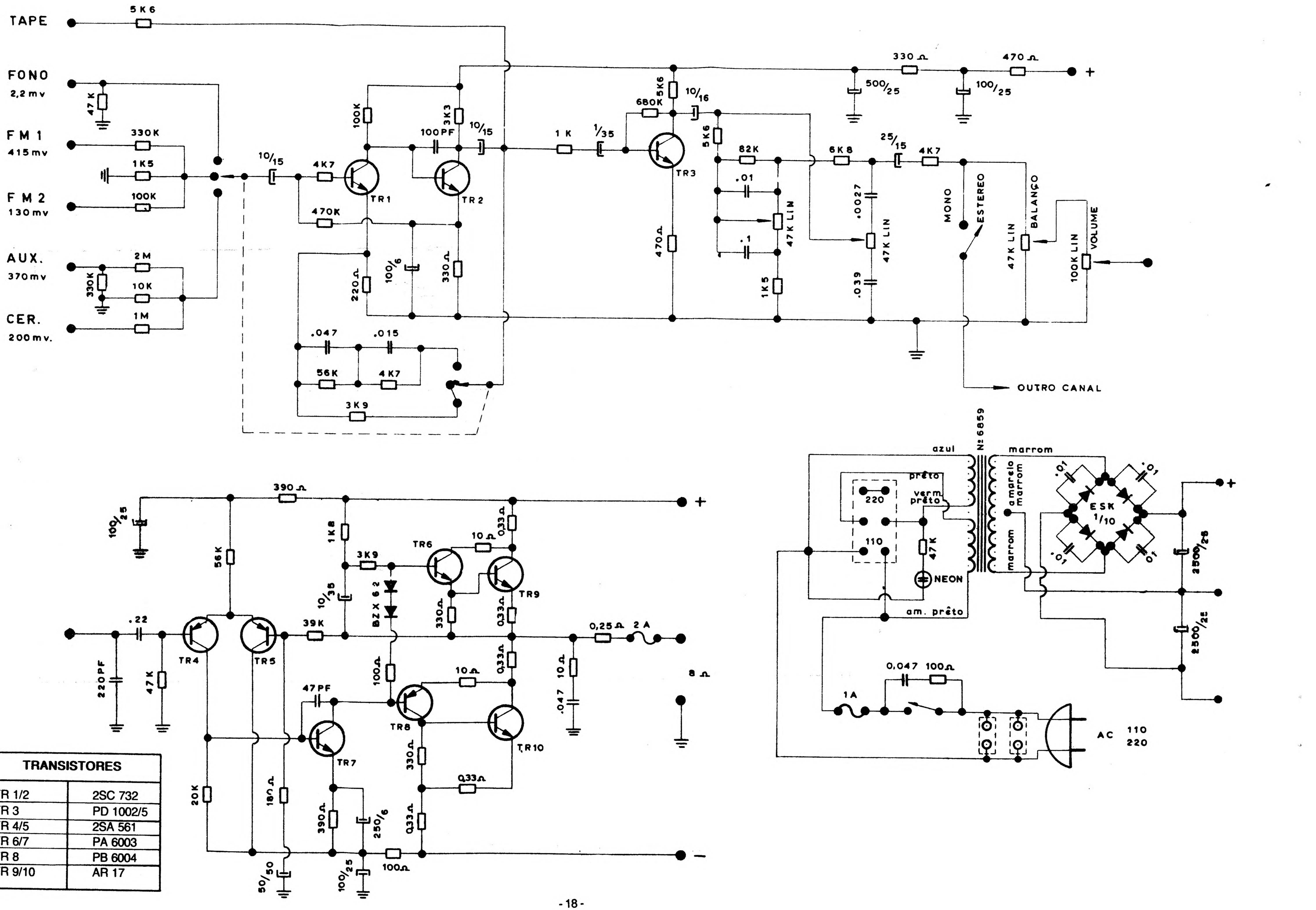
AMPLIFICADOR MINI MIGHTY





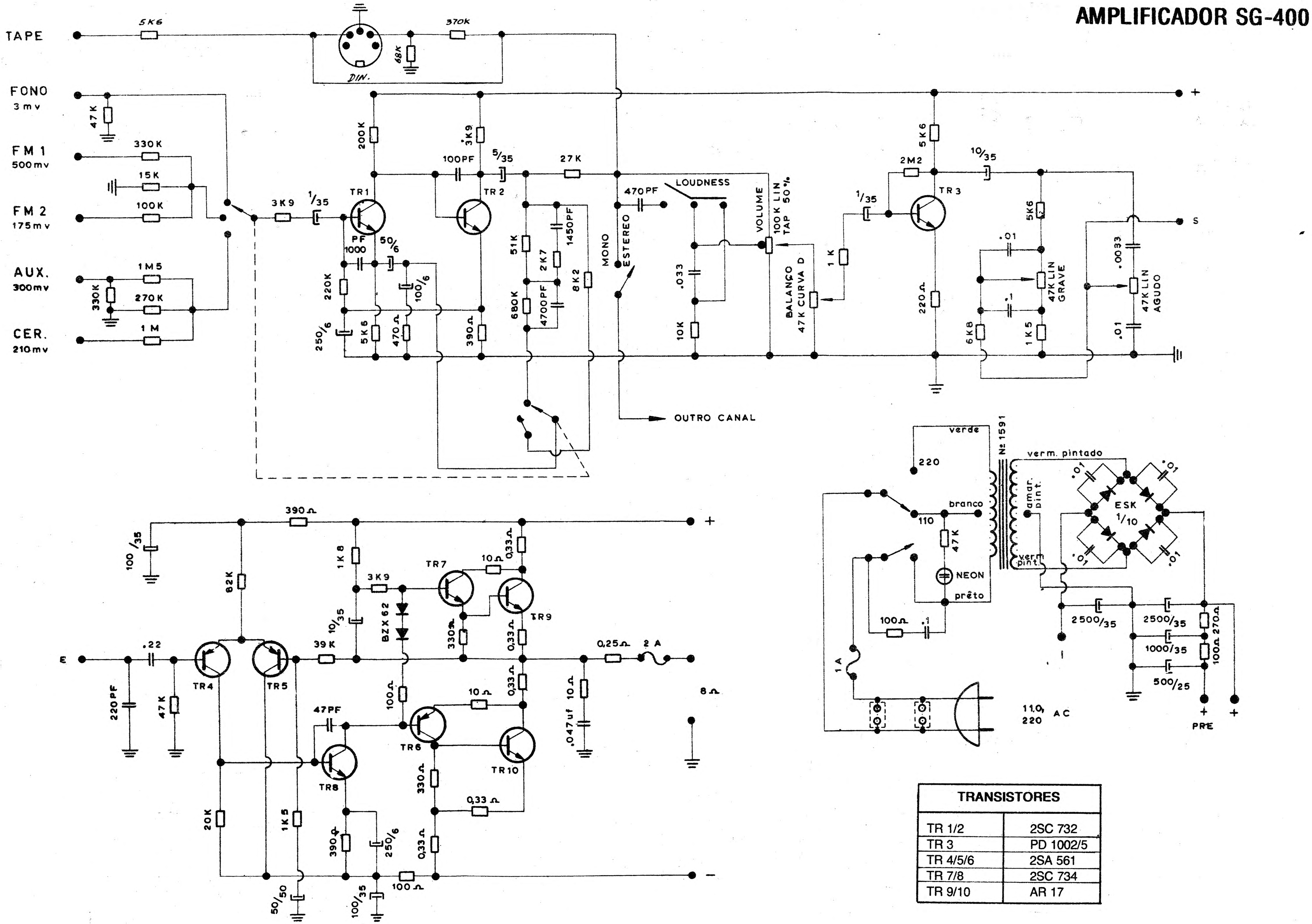
* No modêlo **MINI CANTOR** a resistência é de 150 K.

AMPLIFICADOR SG-240



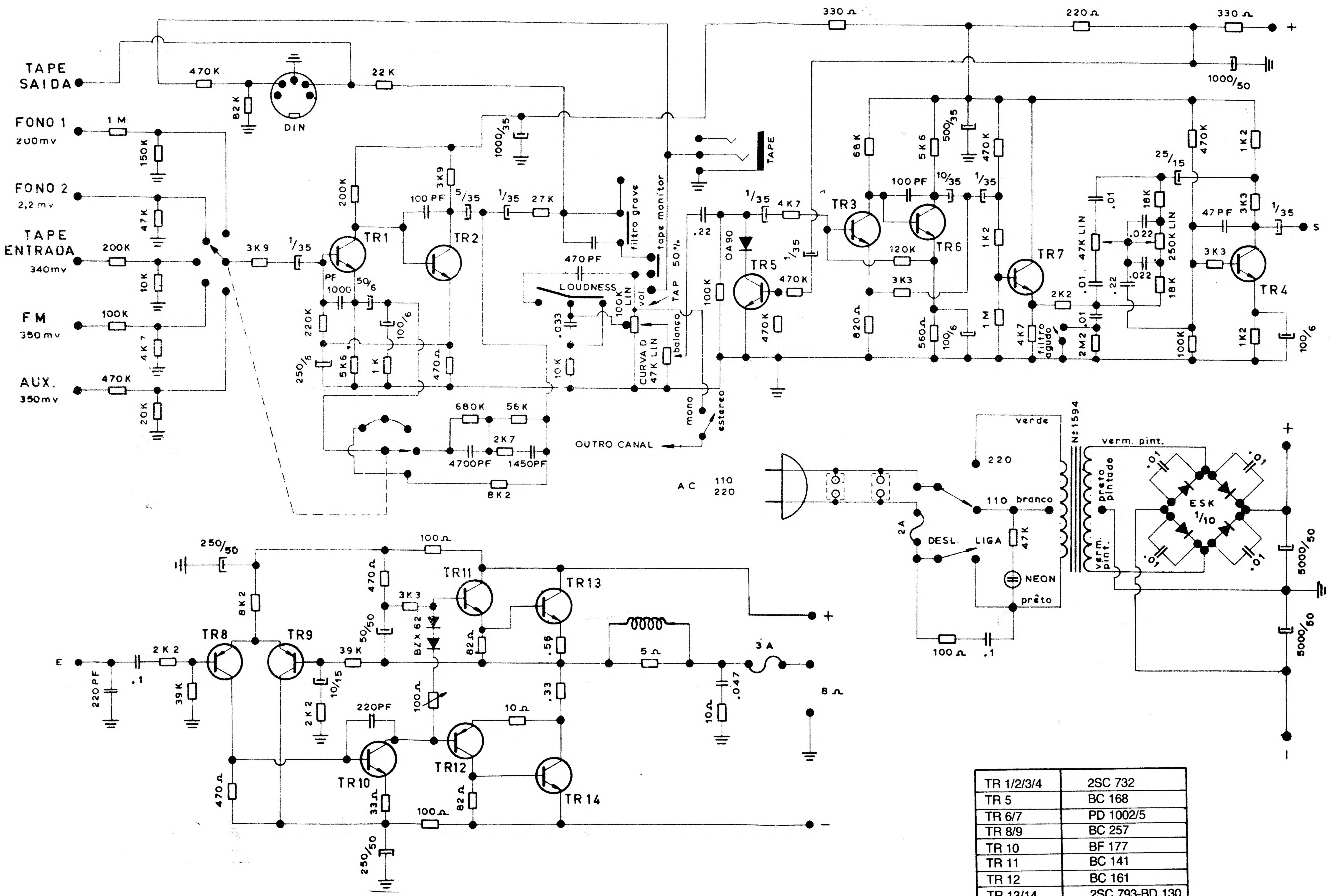
TRANSISTORES	
TR 1/2	2SC 732
TR 3	PD 1002/5
TR 4/5	2SA 561
TR 6/7	PA 6003
TR 8	PB 6004
TR 9/10	AR 17

AMPLIFICADOR SG-400

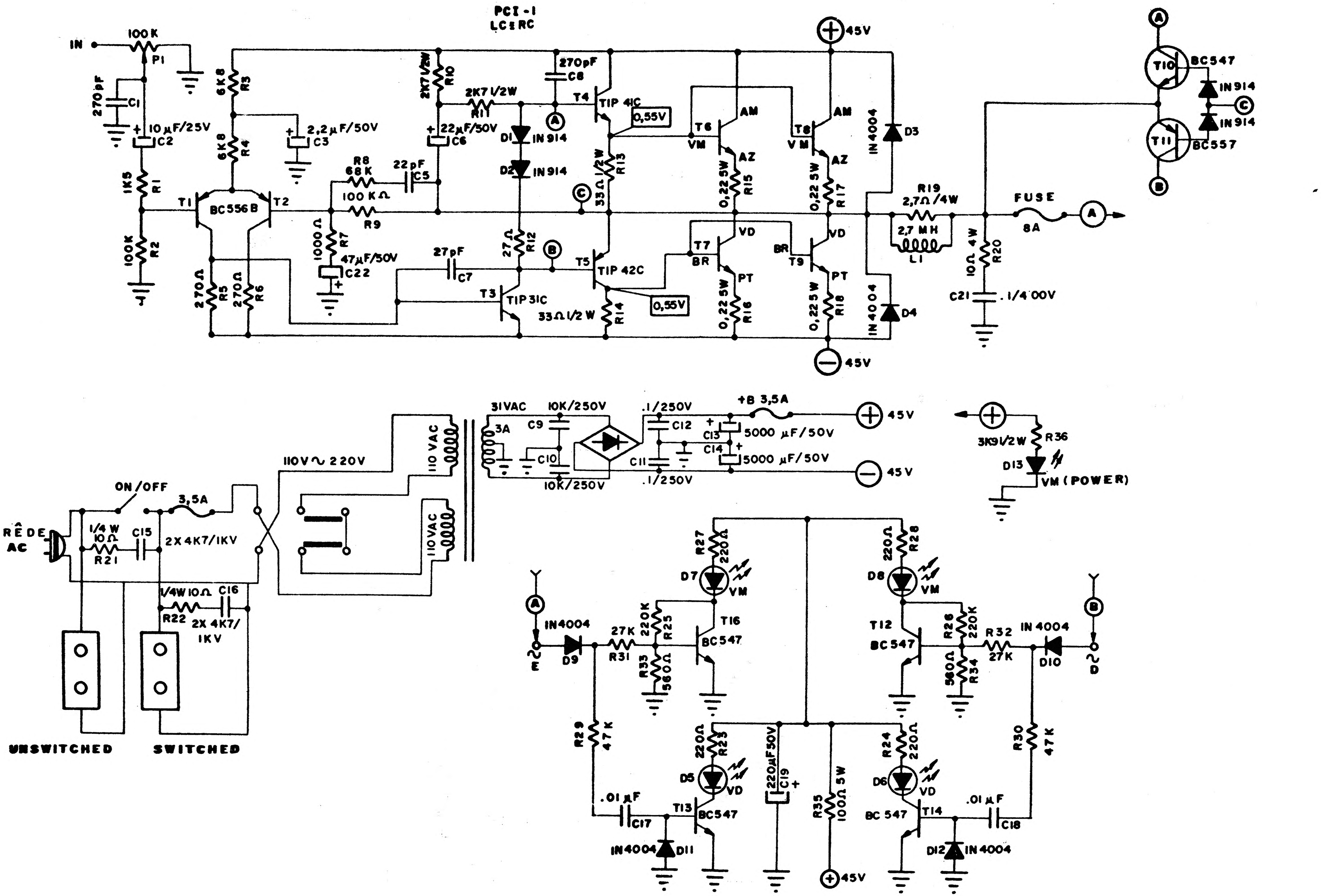


TRANSISTORES	
TR 1/2	2SC 732
TR 3	PD 1002/5
TR 4/5/6	2SA 561
TR 7/8	2SC 734
TR 9/10	AR 17

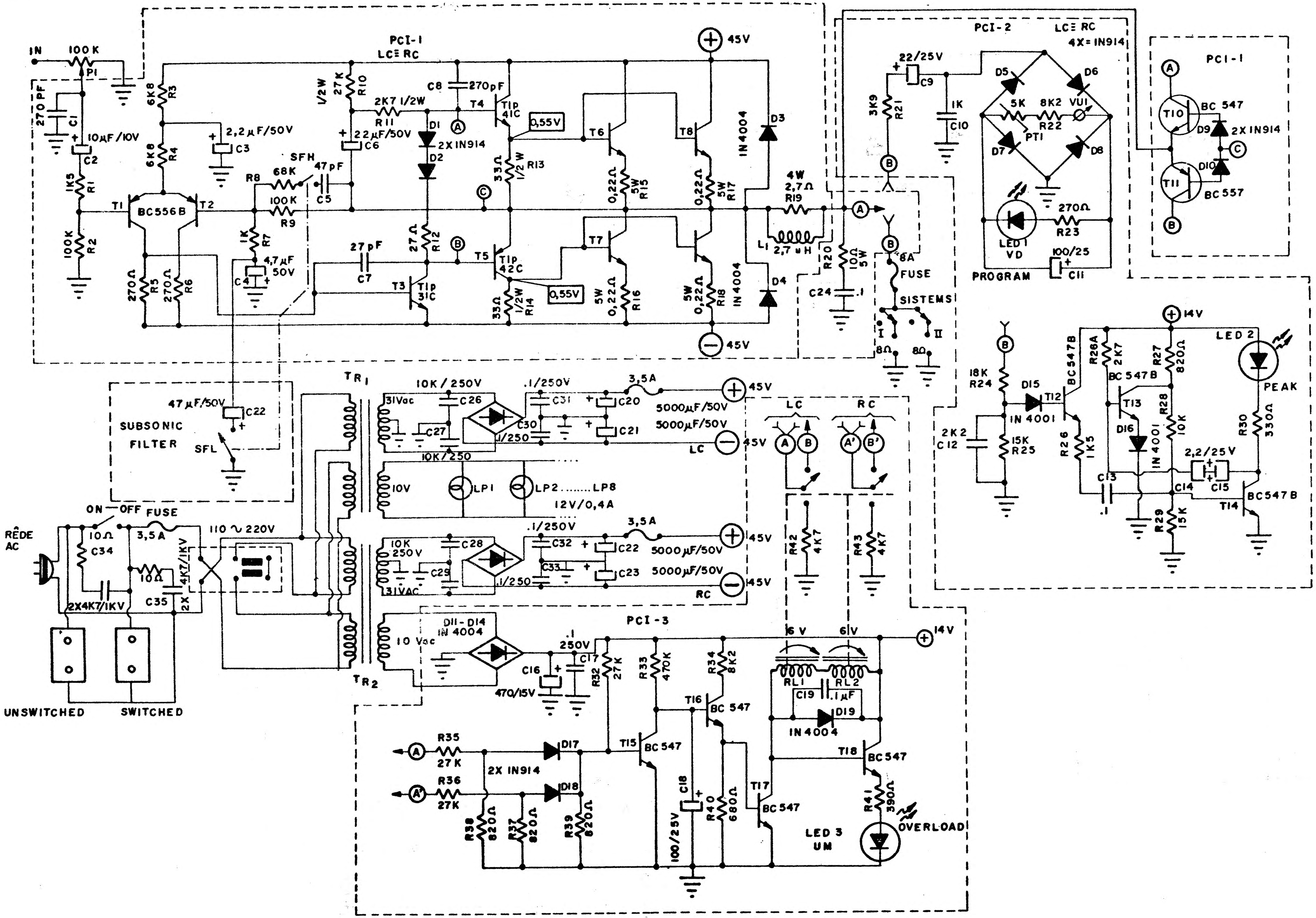
AMPLIFICADOR SG-600 ESTÉREO



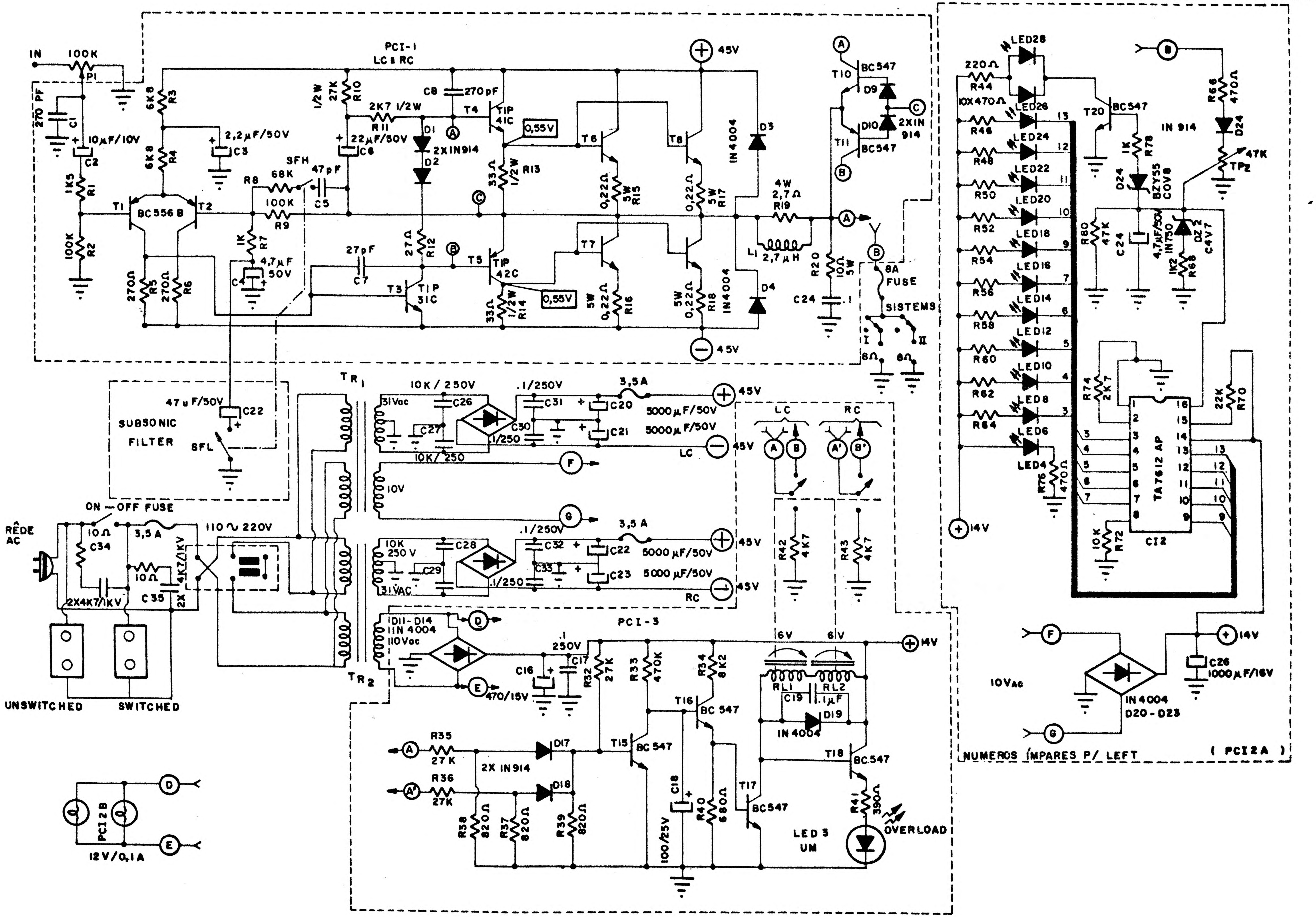
TR 1/2/3/4	2SC 732
TR 5	BC 168
TR 6/7	PD 1002/5
TR 8/9	BC 257
TR 10	BF 177
TR 11	BC 141
TR 12	BC 161
TR 13/14	2SC 793-BD 130


PCI-1
LC≡RC
IN
100K
P1
270pF
C1
10µF/25V
C2
1K5
R1
100K
R2
6K8
R3
6K8
R4
2,2µF/50V
C3
T1
BC556B
T2
270Ω
R5
270Ω
R6
R8
68K
22pF
C5
100KΩ
R9
1000Ω
R7
47µF/50V
C22
2K7 1/2W
R10
22µF/50V
C6
2K7 1/2W
R11
D1
IN914
D2
IN914
27pF
C7
27Ω
R12
T3
TIP31C
270pF
C8
T4
TIP 41C
0,55V
33Ω 1/2W
R13
T5
TIP 42C
33Ω 1/2W
R14
0,55V
T6
VM
AM
AZ
0,22 5W
R15
T7
BR
VD
PT
0,22 5W
R16
T8
VM
AM
AZ
0,22 5W
R17
T9
BR
VD
PT
0,22 5W
R18
45V
45V
IN4004
D3
IN4004
D4
R19
2,7Ω/4W
2,7 MH
L1
10Ω 4W
R20
C21
.1/400V
FUSE
8A
T10
BC547
IN914
IN914
T11
BC557
31VAC
3A
10K/250V
C9
C10
10K/250V
.1/250V
C12
C11
.1/250V
+B 3,5A
C13
C14
5000 µF/50V
5000 µF/50V
45V
45V
3K9 1/2W
R36
D13
VM (POWER)
110V ∿ 220V
110 VAC
110 VAC
ON/OFF
3,5A
RÊDE AC
1/4 W
10Ω
R21
C15
2X 4K7/1KV
1/4W 10Ω
C16
R22
2X 4K7/
1KV
UNSWITCHED
SWITCHED
R27
220Ω
D7
VM
220K
R25
T16
BC547
IN4004
D9
27K
R31
R33
560Ω
R29
47K
.01µF
C17
T13
BC547
IN4004
D11
220Ω
R23
D5
VD
220µF50V
C19
R35
100Ω 5W
45V
220Ω
R28
D8
VM
T12
BC547
R26
220K
R32
27K
IN4004
D10
560Ω
R34
R30
47K
R24
220Ω
D6
VD
BC 547
T14
.01µF
C18
D12
IN4004

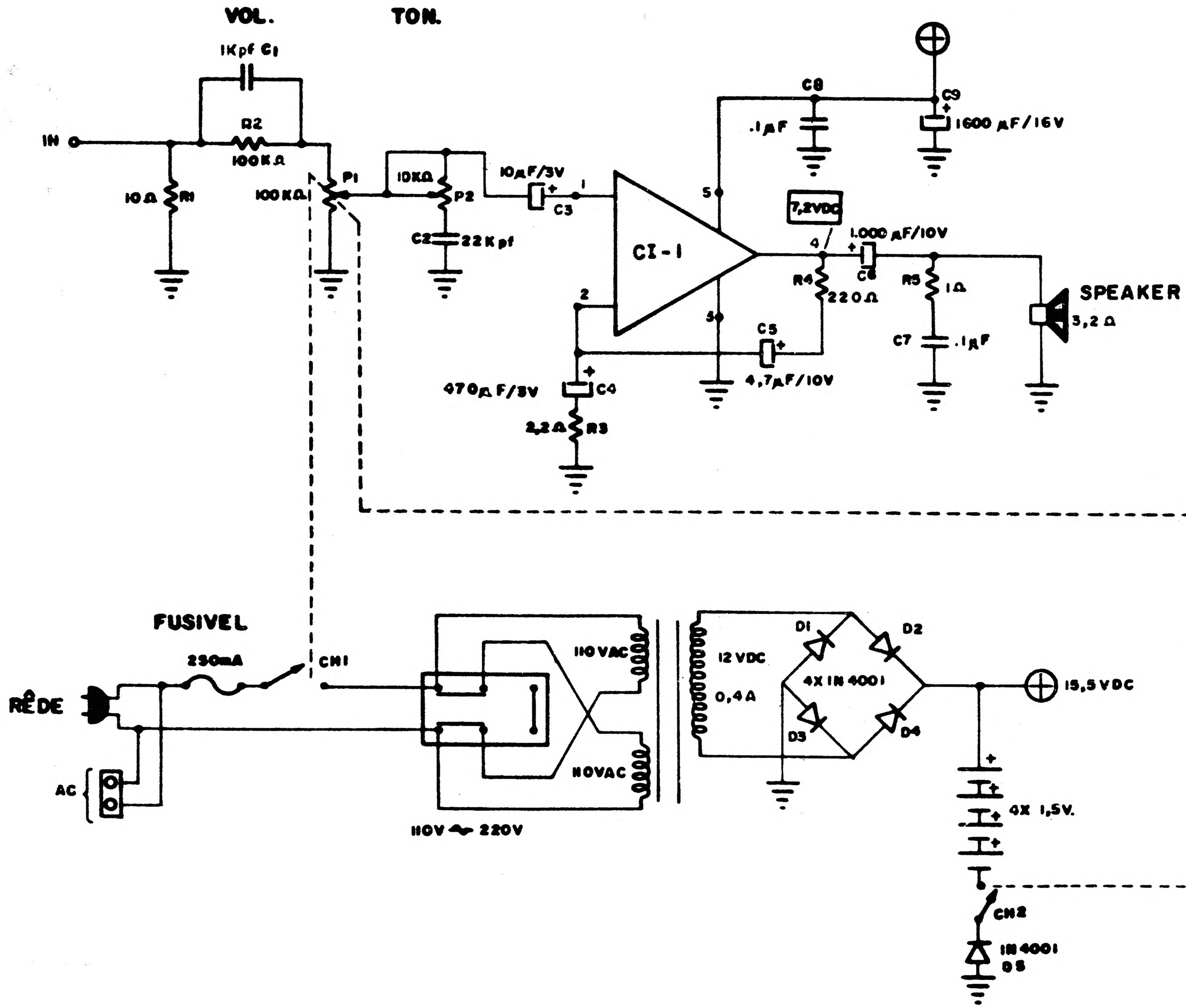
AMPLIFICADOR SP-600

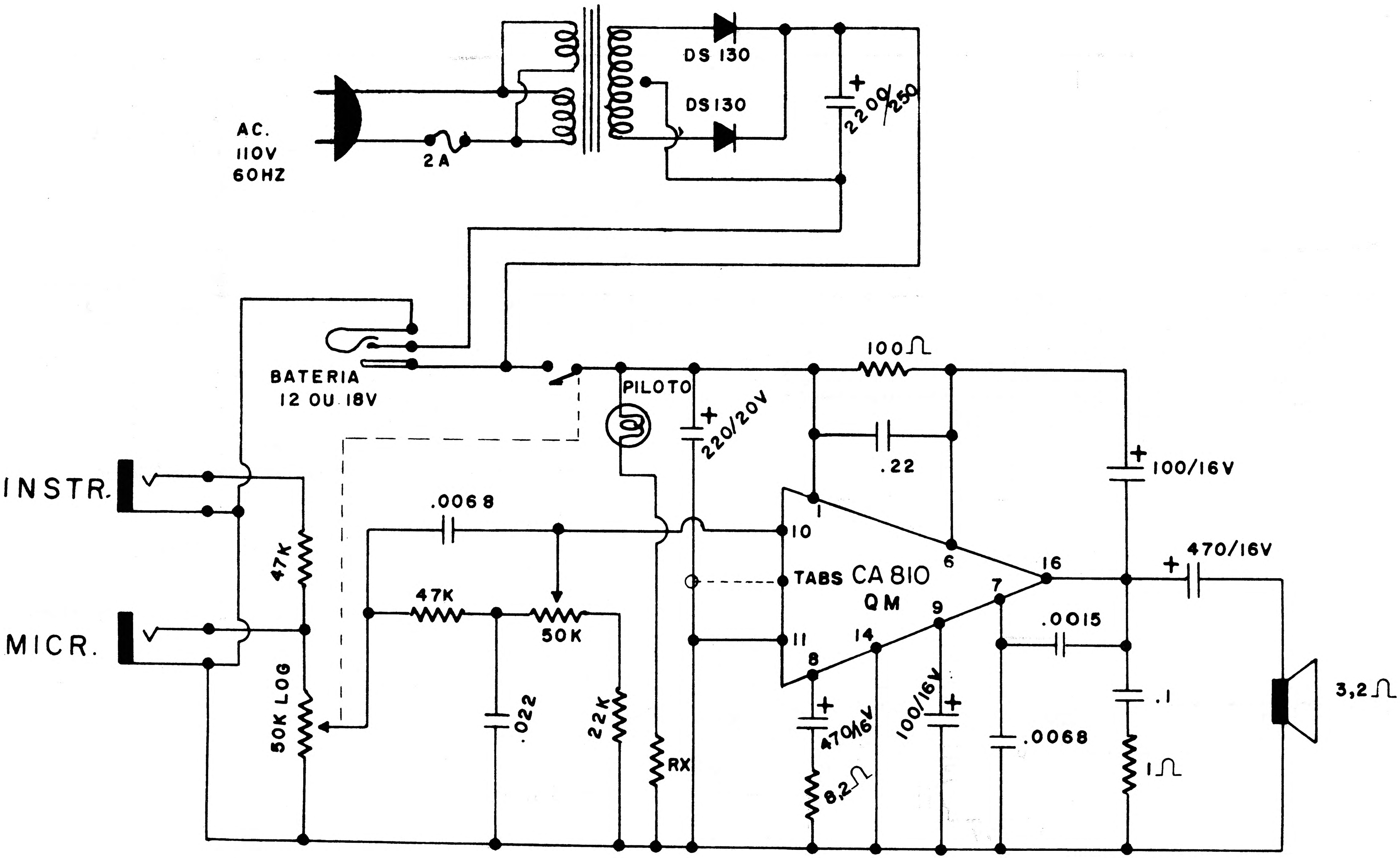


AMPLIFICADOR A-600

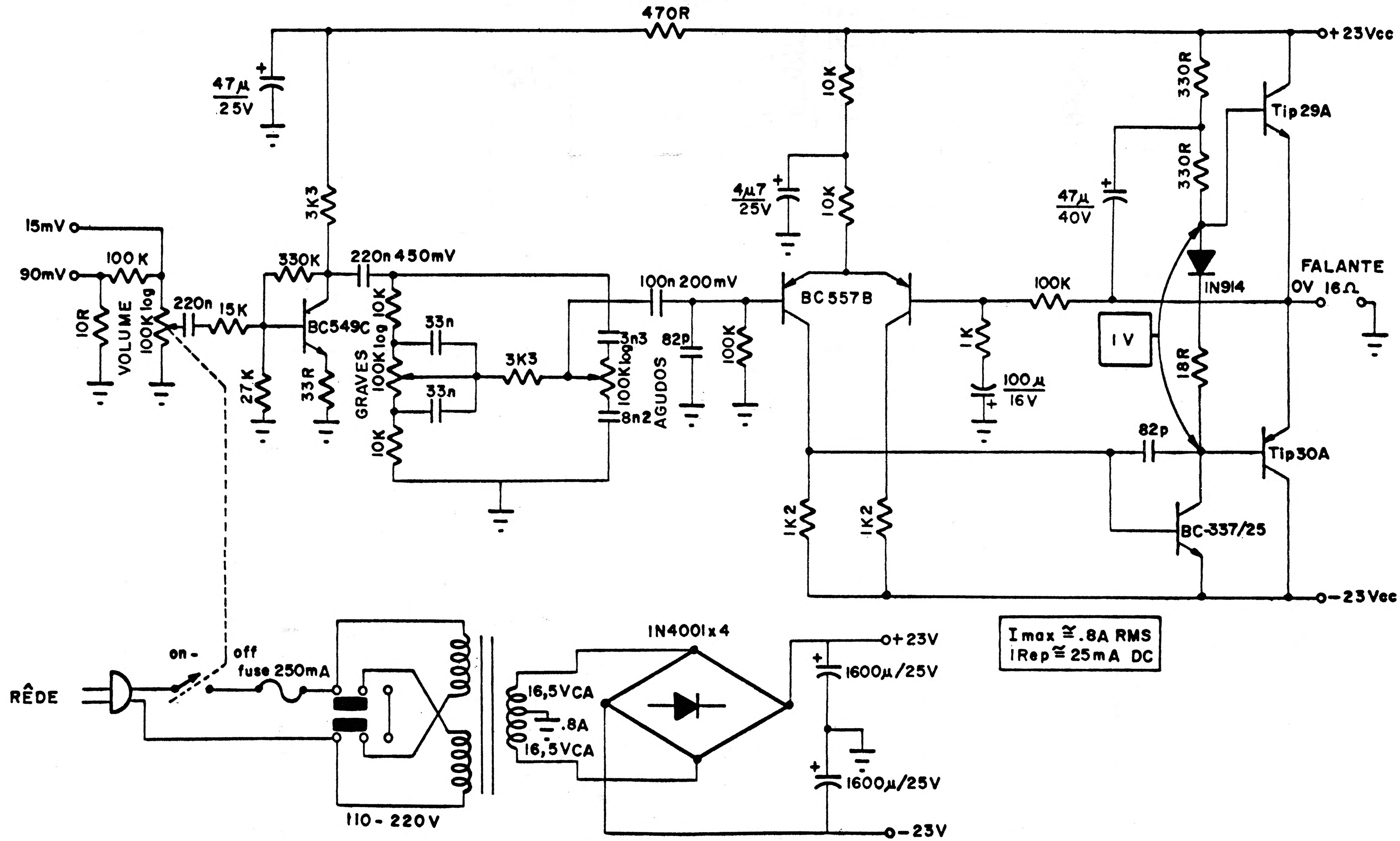


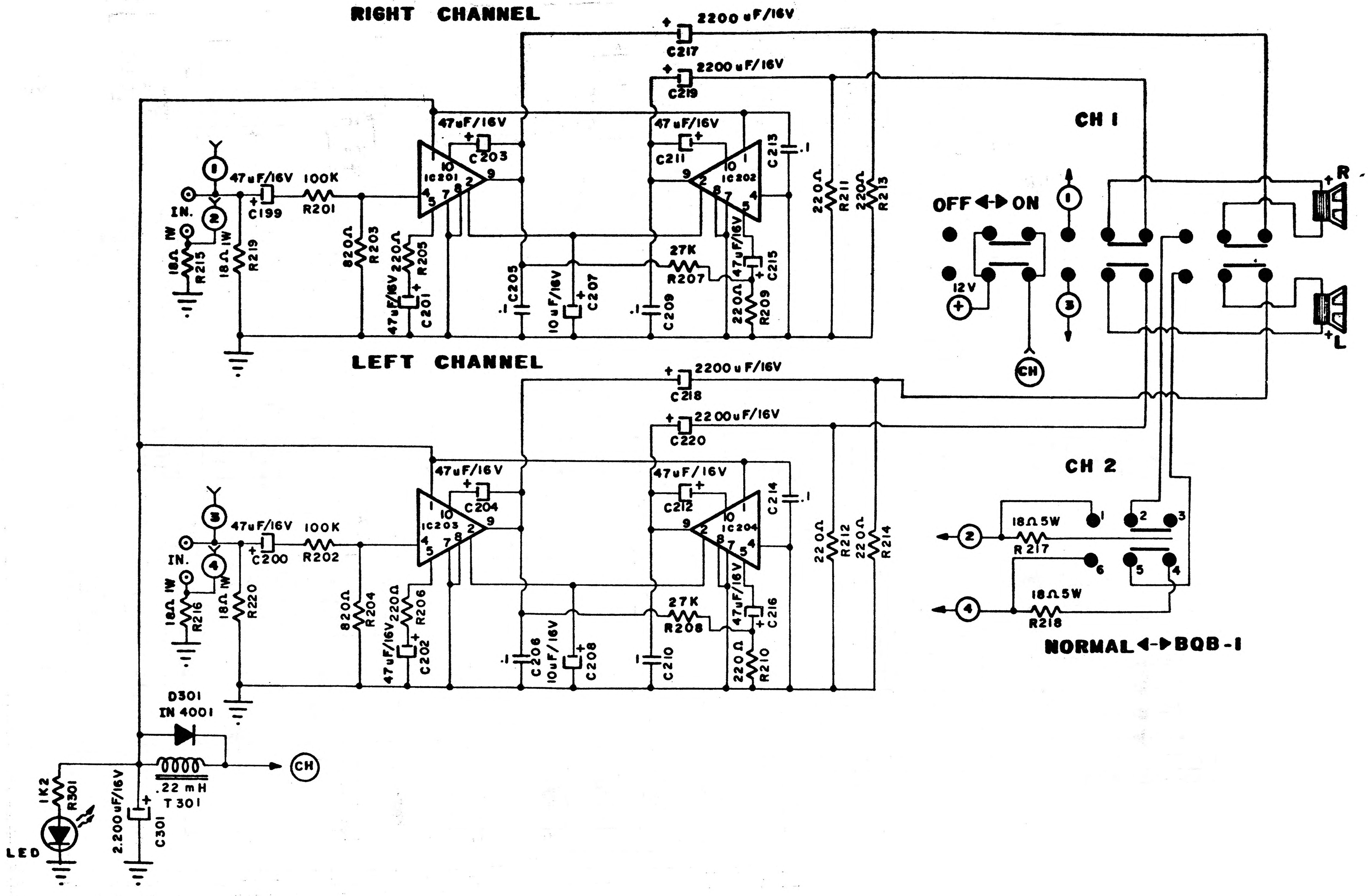
AMPLIFICADOR SPECIAL 10 BACS 1



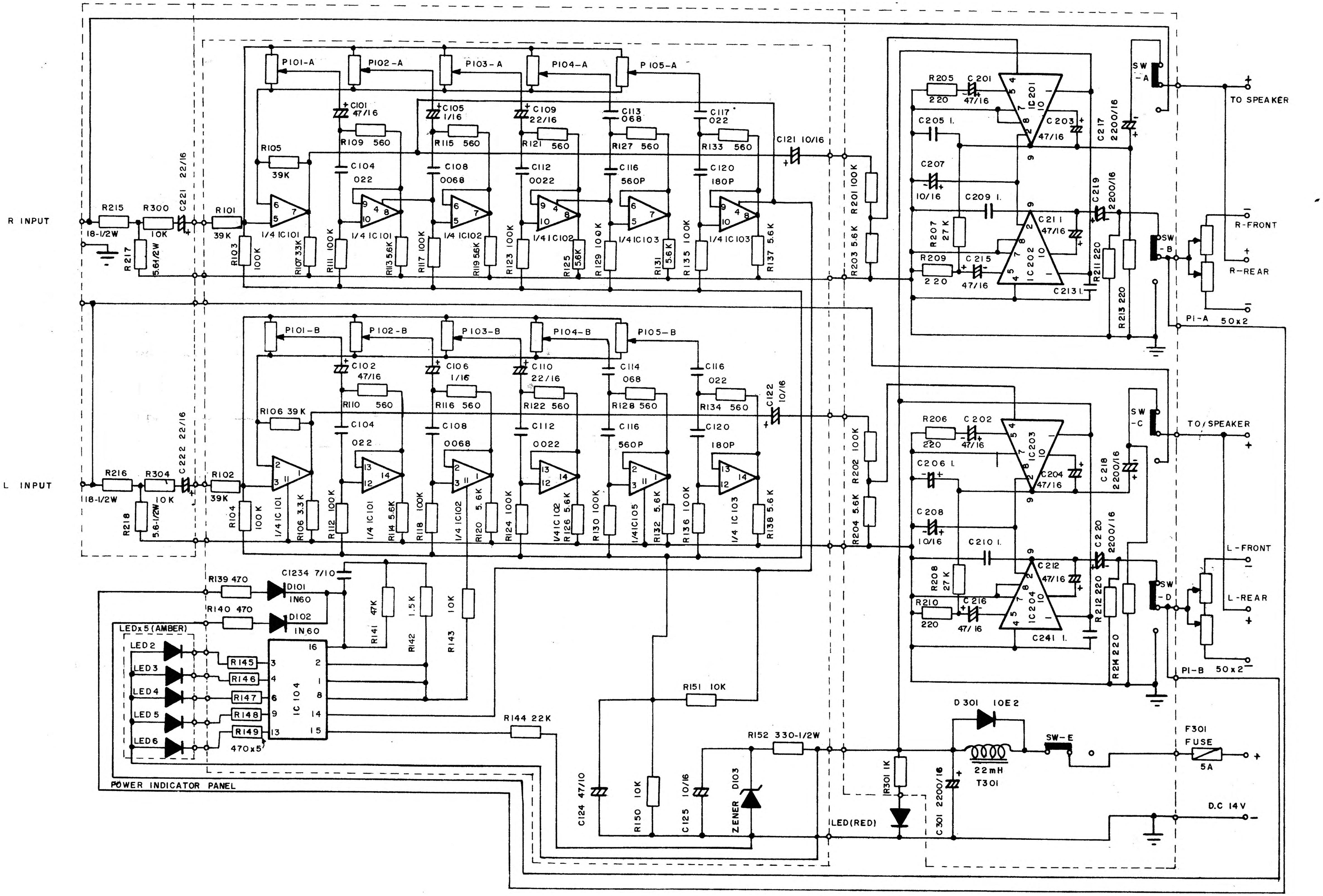

AC.
110V
60HZ
2 A
DS 130
DS130
2200/250
BATERIA
12 OU 18V
PILOTO
220/20V
100Ω
.22
100/16V
INSTR.
MICR.
.0068
47K
47K
50K
50K LOG
.022
22K
RX
10
1
6
16
TABS CA 810
QM
7
9
11
14
8
470/16V
.0015
470/16V
100/16V
.0068
.1
8,2Ω
1Ω
3,2Ω

AMPLIFICADOR BACS 2 B

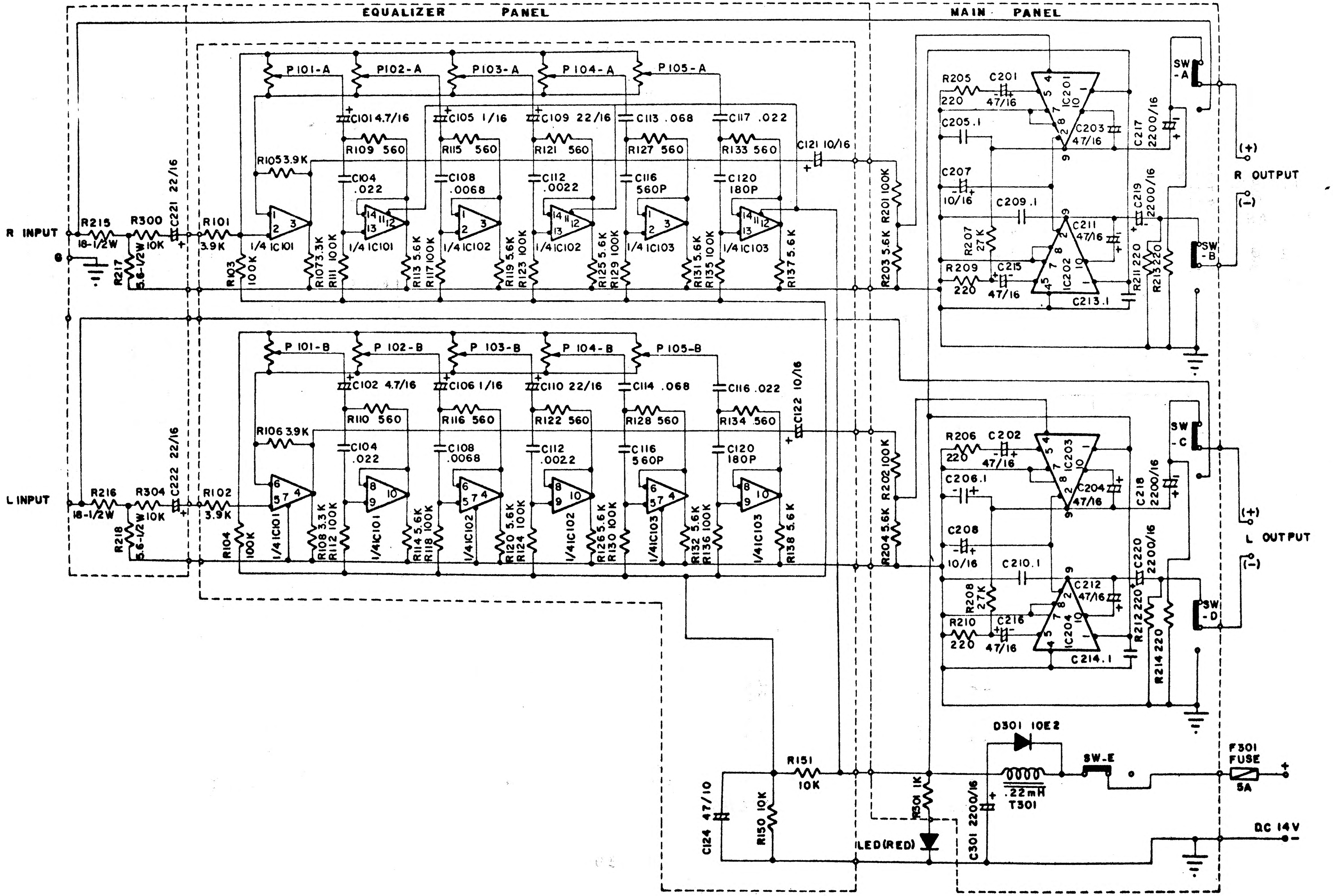



RIGHT CHANNEL
LEFT CHANNEL
2200 uF/16V
C217
C219
C218
C220
47uF/16V
C203
C211
C204
C212
IC201
IC202
IC203
IC204
C213
C214
.1
C199
C200
R201
R202
100K
IN.
18Ω 1W
R215
R219
R216
R220
820Ω
R203
R204
220Ω
R205
R206
C201
C202
C205
C206
10uF/16V
C207
C208
C209
C210
27K
R207
R208
C215
C216
R209
R210
R211
R212
R213
R214
CH 1
CH 2
OFF ◄-► ON
12V
CH
18Ω 5W
R217
R218
NORMAL ◄-► BQB-1
R
L
D301
IN 4001
.22 mH
T301
2.200uF/16V
C301
1K2
R301
LED

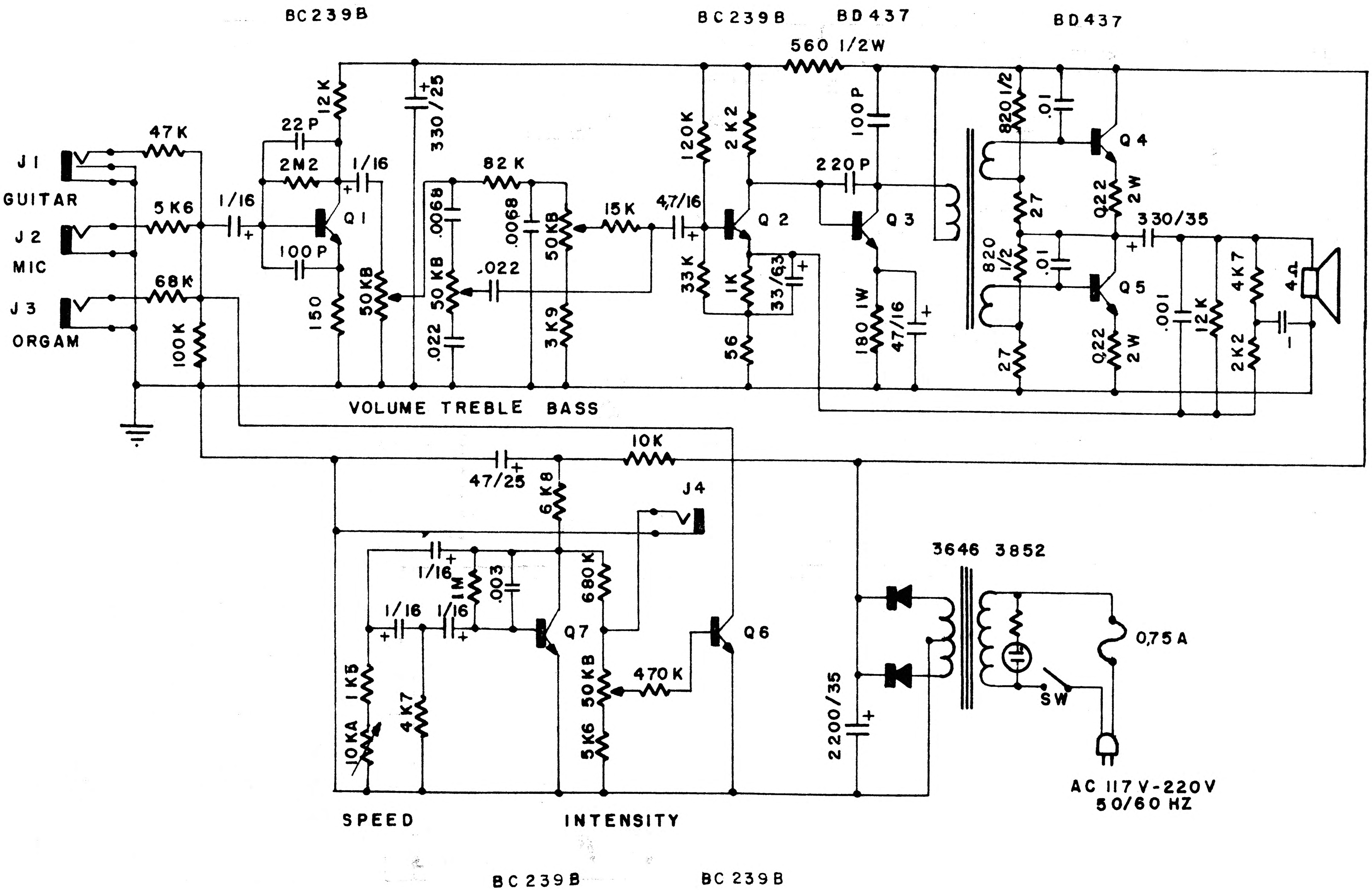
AMPLIFICADOR BQB 1 SONIC

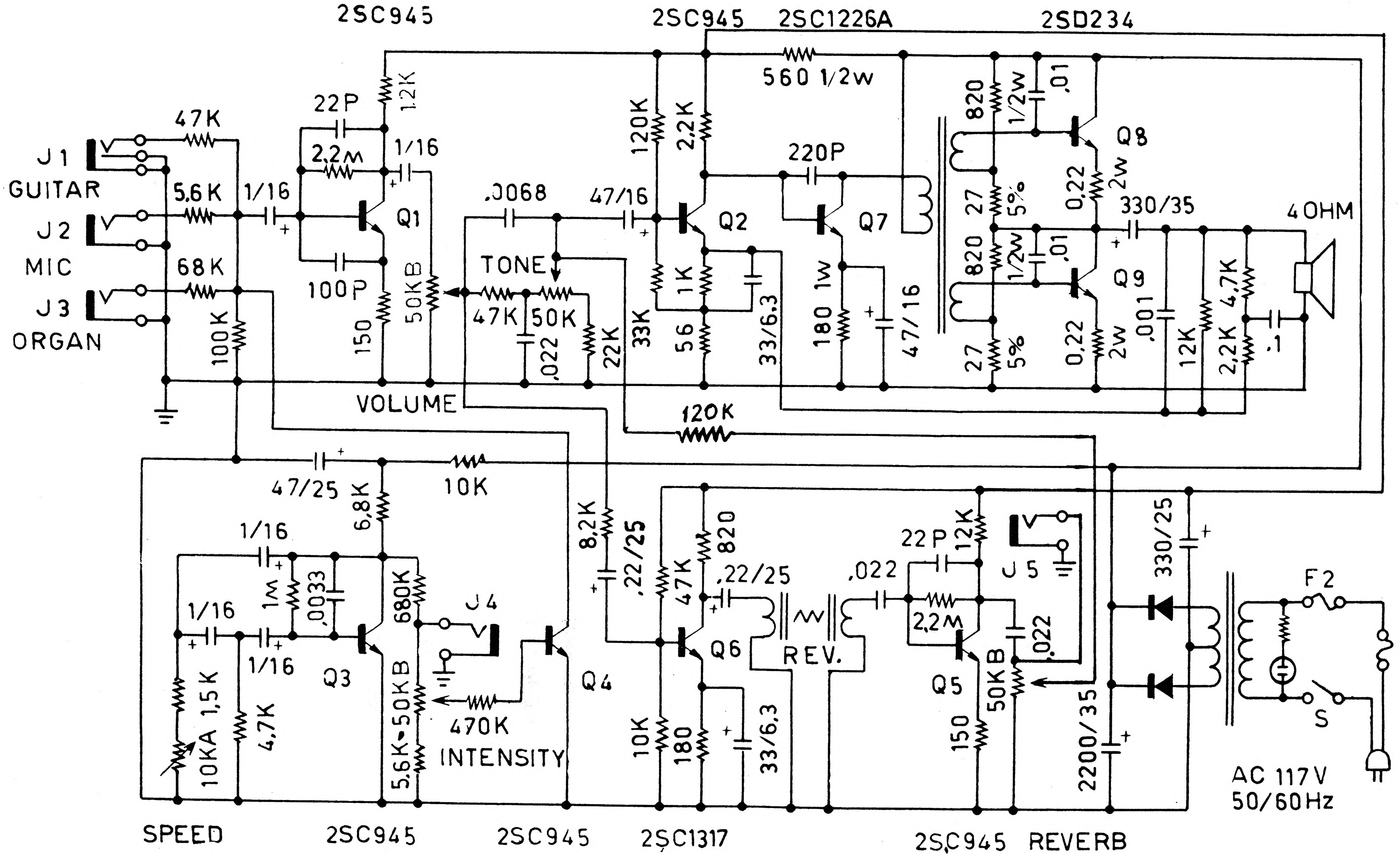


AMPLIFICADOR BQB 2 SONIC

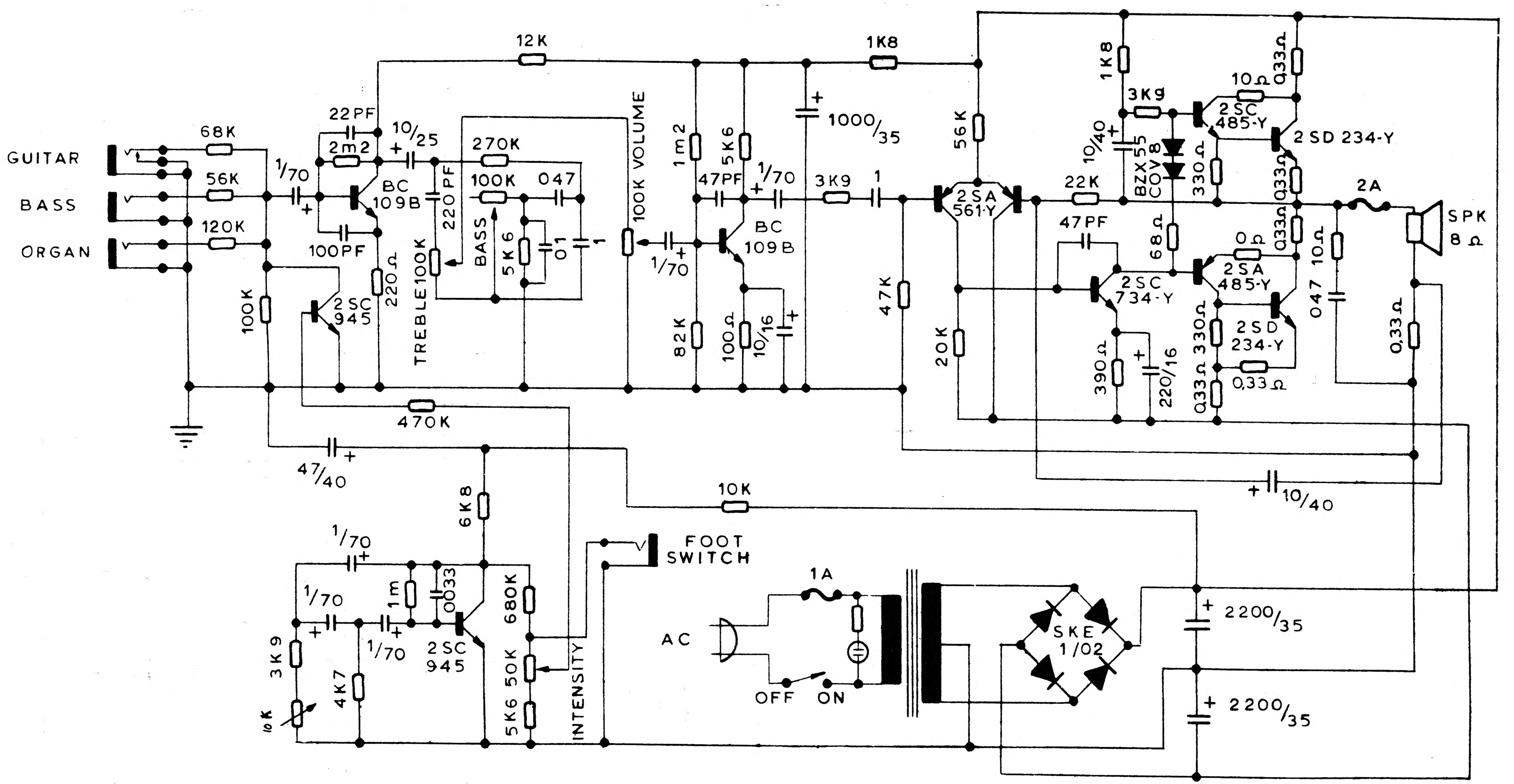


AMPLIFICADOR U65GN

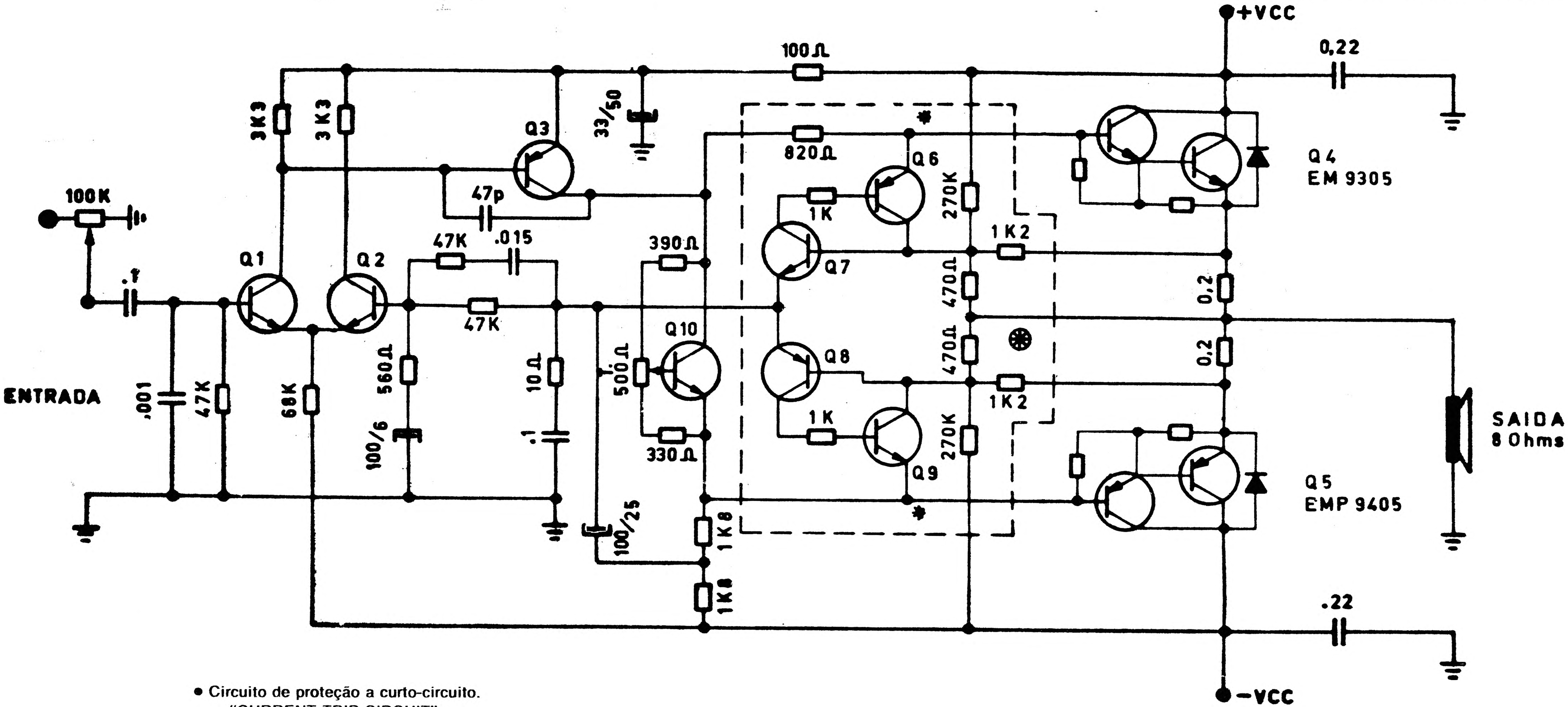



2SC945
2SC945
2SC1226A
2SD234
J1
GUITAR
J2
MIC
J3
ORGAN
47K
5,6K
68K
100K
1/16
22P
2,2M
1,2K
1/16
Q1
100P
150
50KB
VOLUME
.0068
TONE
47K
50K
.022
22K
47/16
120K
2,2K
Q2
1K
33K
56
33/6,3
560 1/2W
220P
Q7
180 1W
47/16
820
1/2W
.01
Q8
27
5%
0,22
2W
330/35
4OHM
Q9
.001
12K
4,7K
2,2K
.1
120K
47/25
10K
6,8K
1/16
1M
.0033
680K
J4
Q3
Q4
5,6K-50KB
470K
INTENSITY
10KA
1,5K
4,7K
SPEED
2SC945
2SC945
8,2K
.22/25
820
47K
.22/25
Q6
REV.
10K
180
33/6,3
2SC1317
.022
22P
12K
2,2M
J5
.022
Q5
50KB
150
2SC945
REVERB
330/25
2200/35
F2
F1
S
AC 117V
50/60Hz

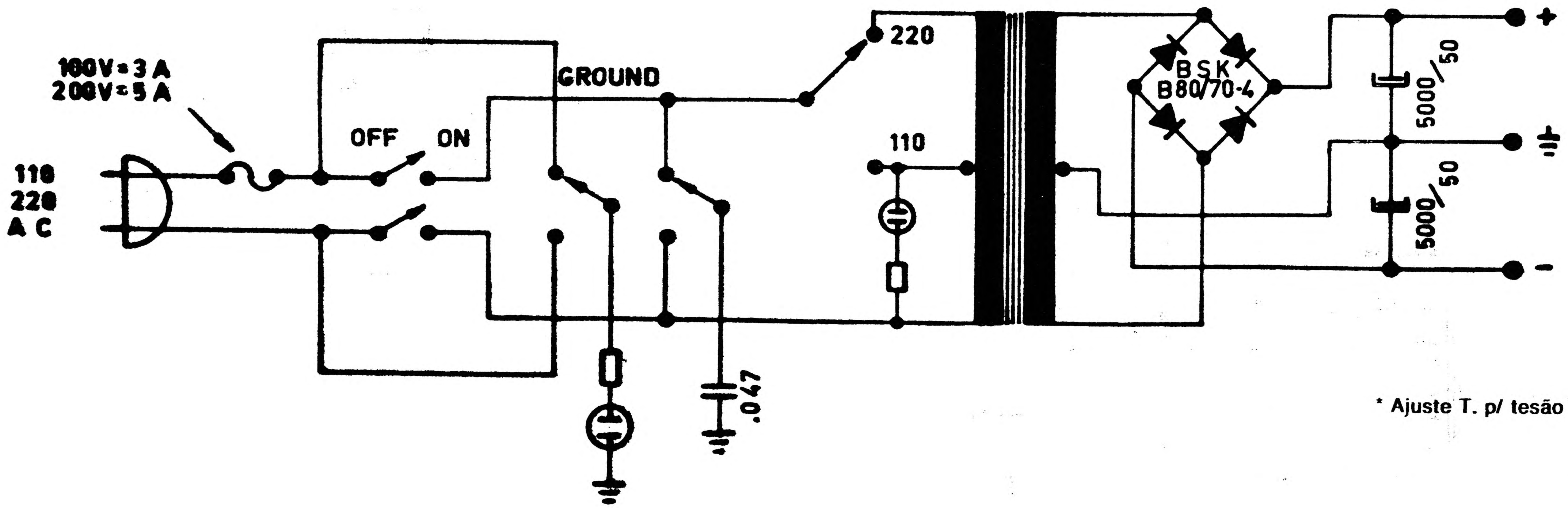
AMPLIFICADOR U75



AMPLIFICADOR 100/200 V

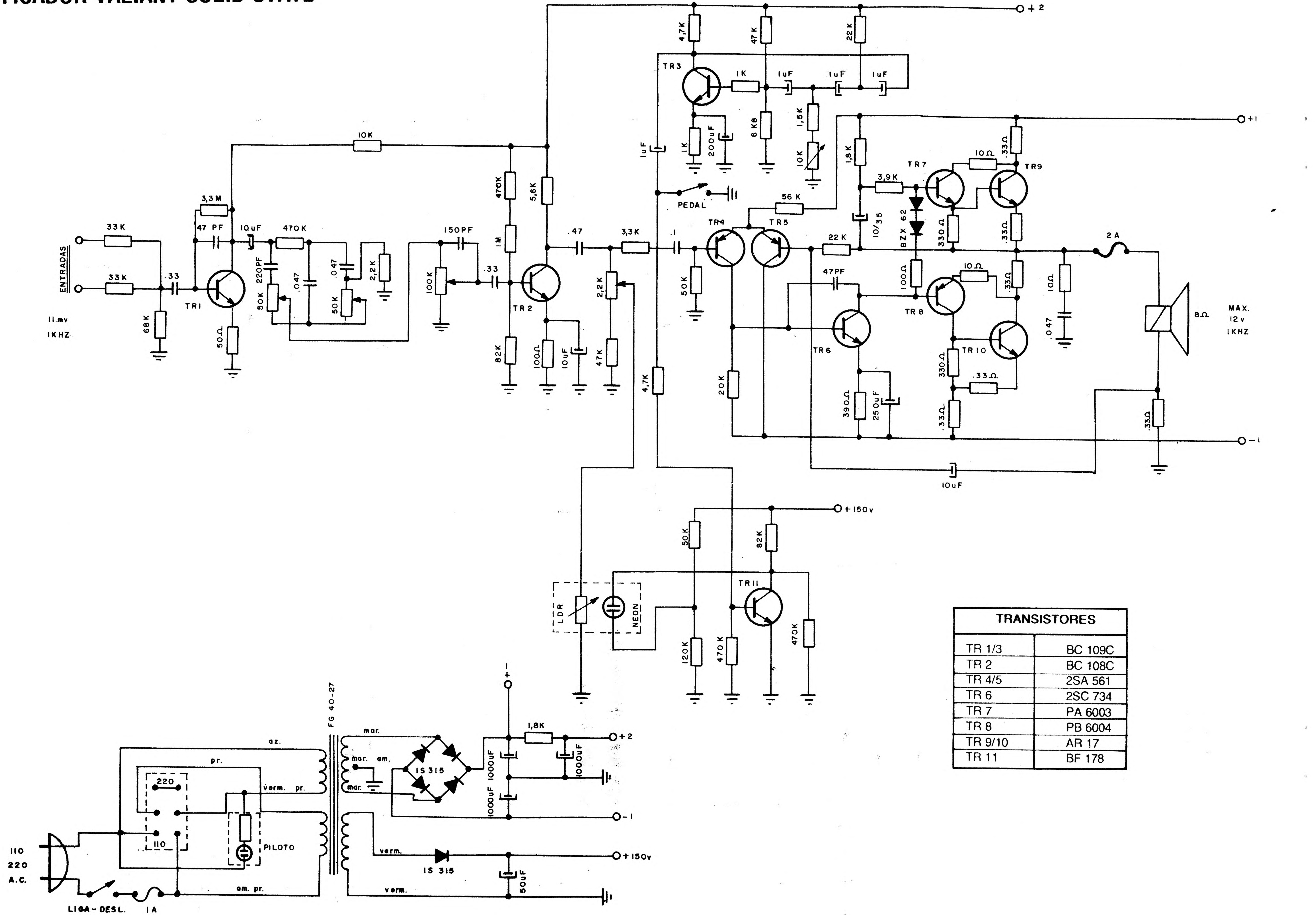


● Circuito de proteção a curto-circuito.
"CURRENT TRIP CIRCUIT".



* Ajuste T. p/ tesão base-base Q5 e Q6 de 2,1 Volts.

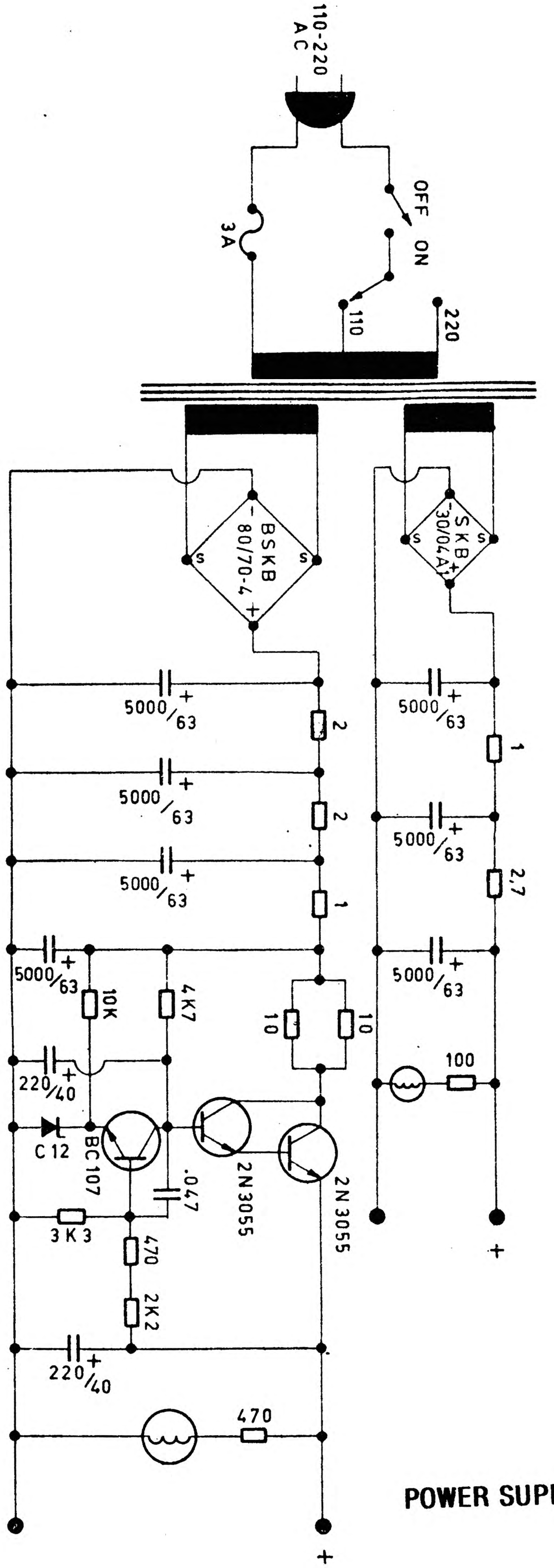
AMPLIFICADOR VALIANT SOLID STATE



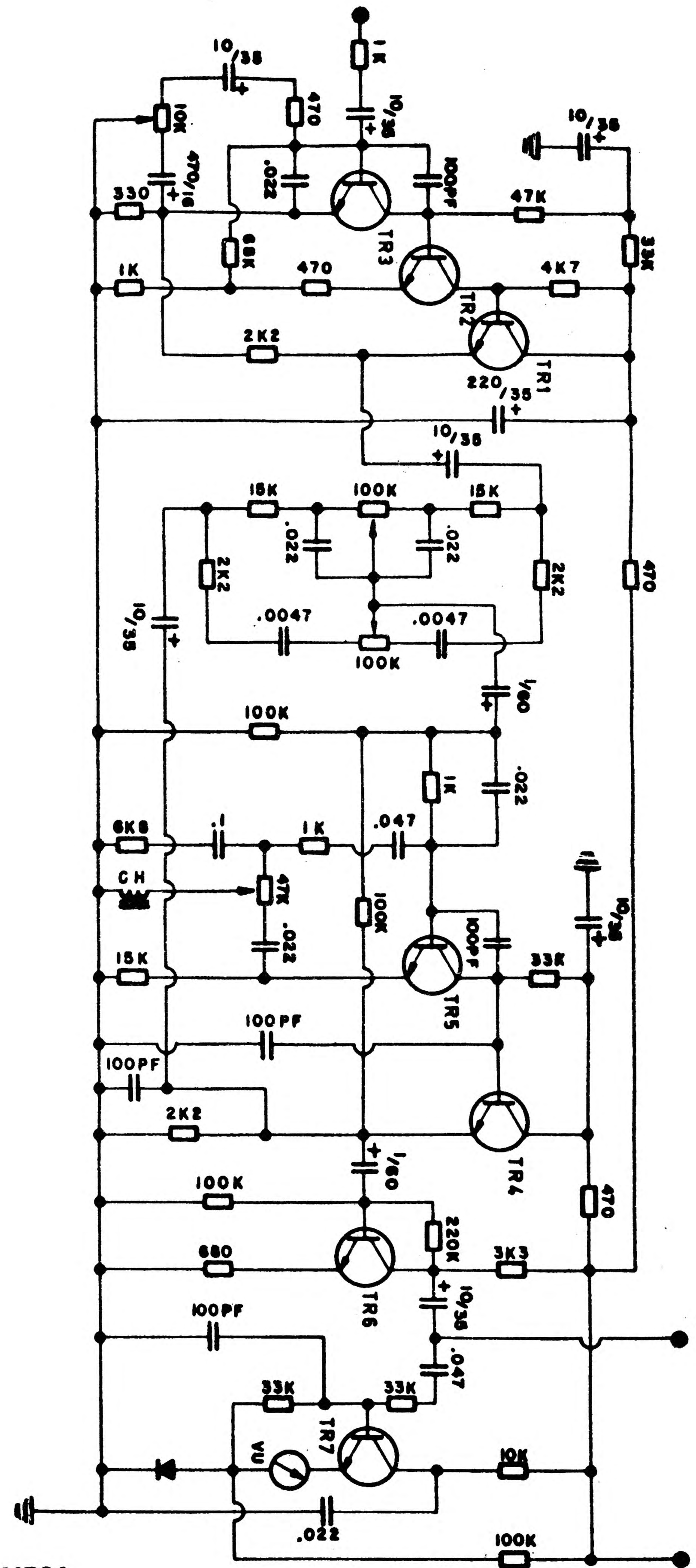
TRANSISTORES	
TR 1/3	BC 109C
TR 2	BC 108C
TR 4/5	2SA 561
TR 6	2SC 734
TR 7	PA 6003
TR 8	PB 6004
TR 9/10	AR 17
TR 11	BF 178

MIXERS

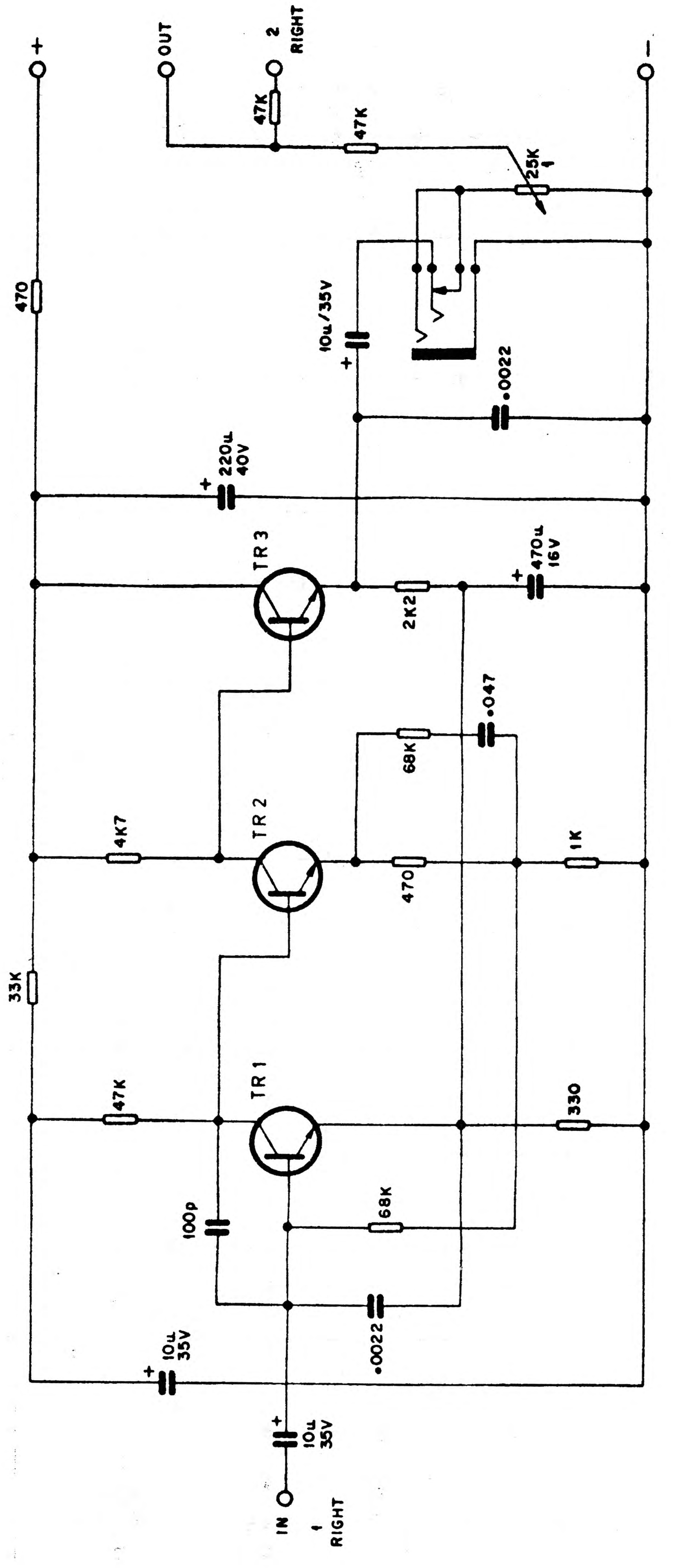
MIXER DBAM 5 - POWER SUPPLY / PRÉ AMPL. MESA



POWER SUPPLY

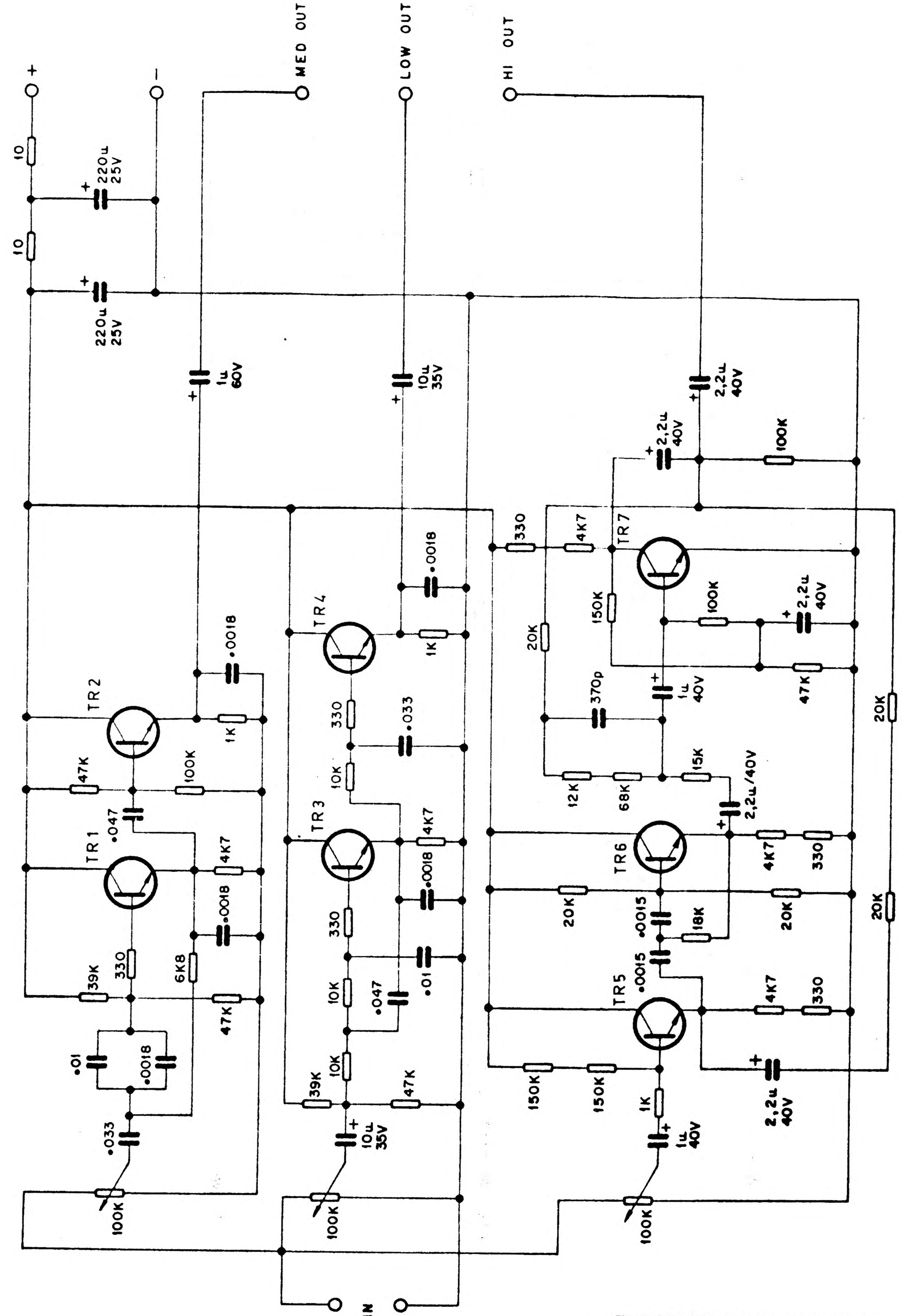


PRÉ AMPL. MESA



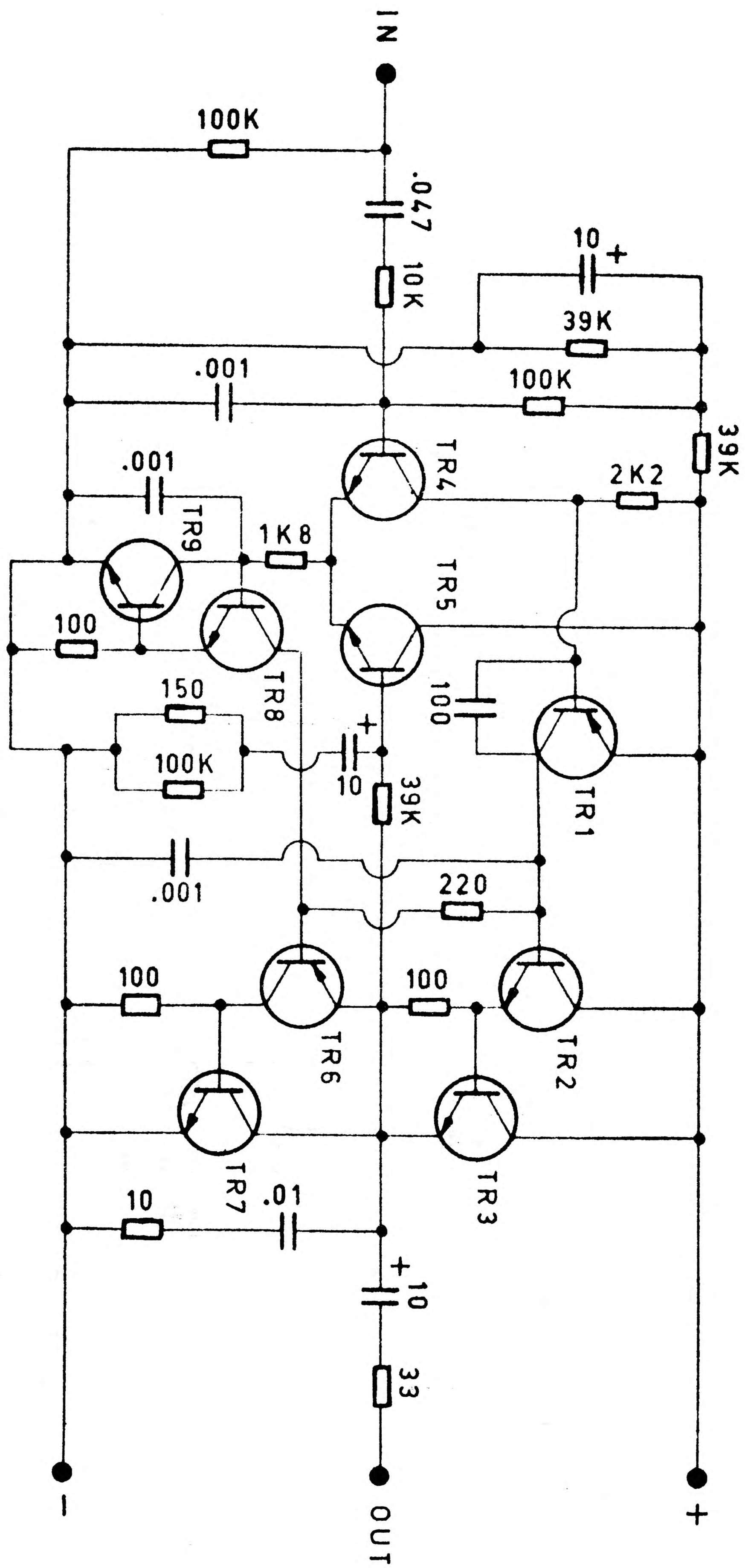
Resistência em OHMs
Capacitores em FARADS

GROUP MIXER

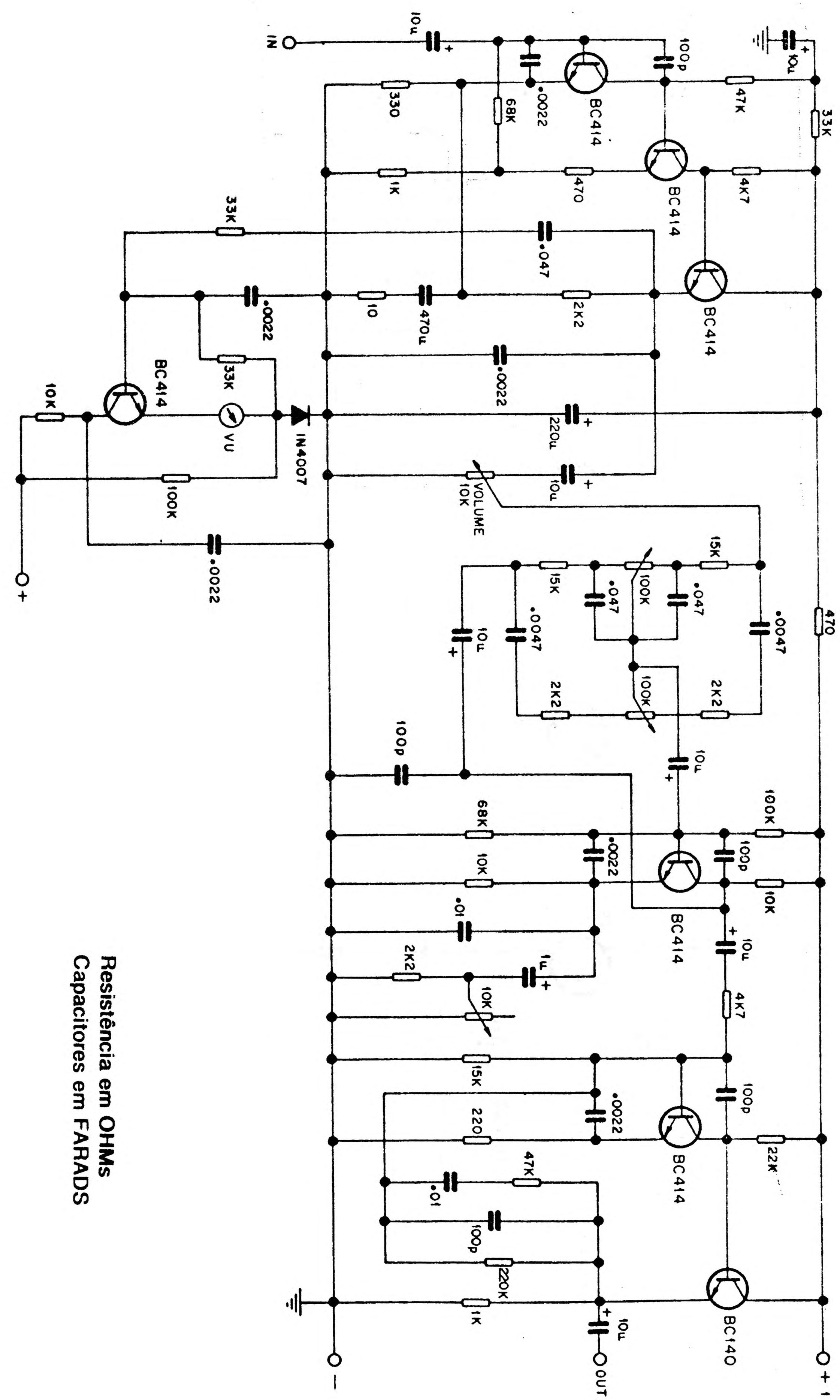


Resistência em OHMs
Capacitores em FARADS

ELECTRONIC CROSSOVER

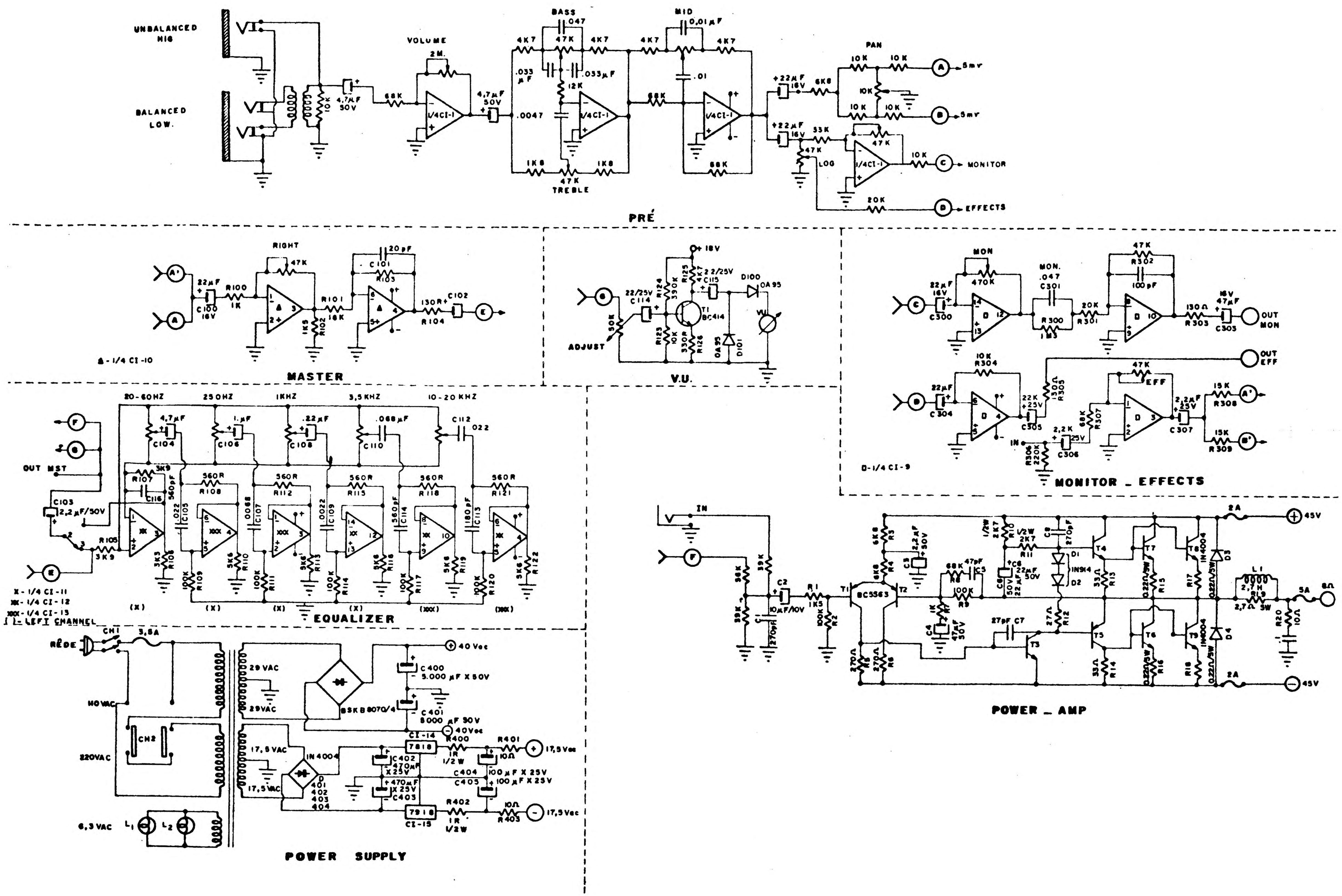


MONITOR

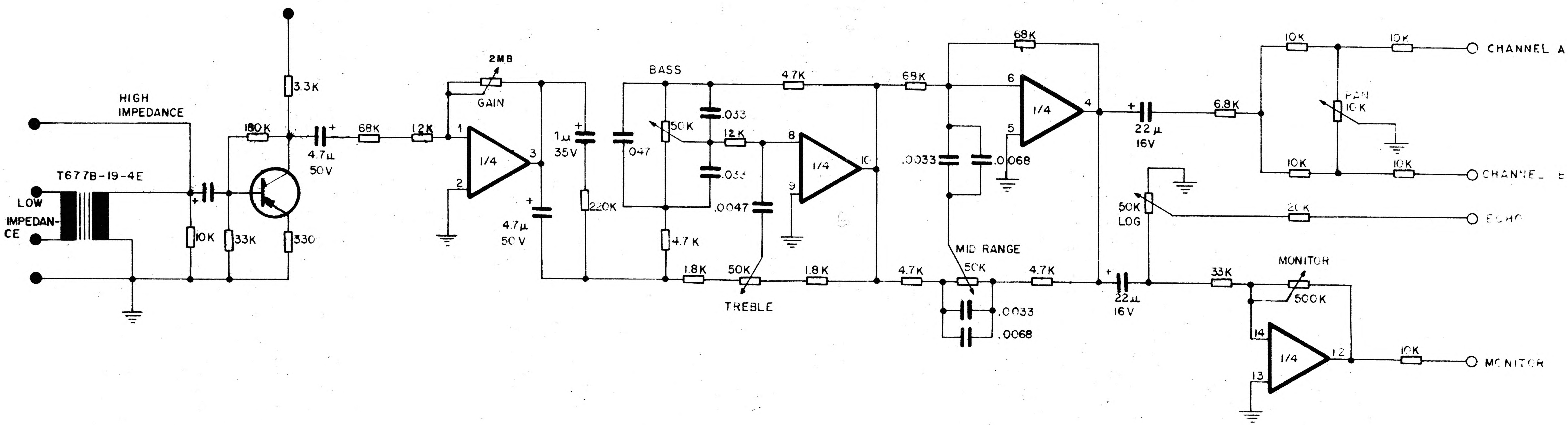


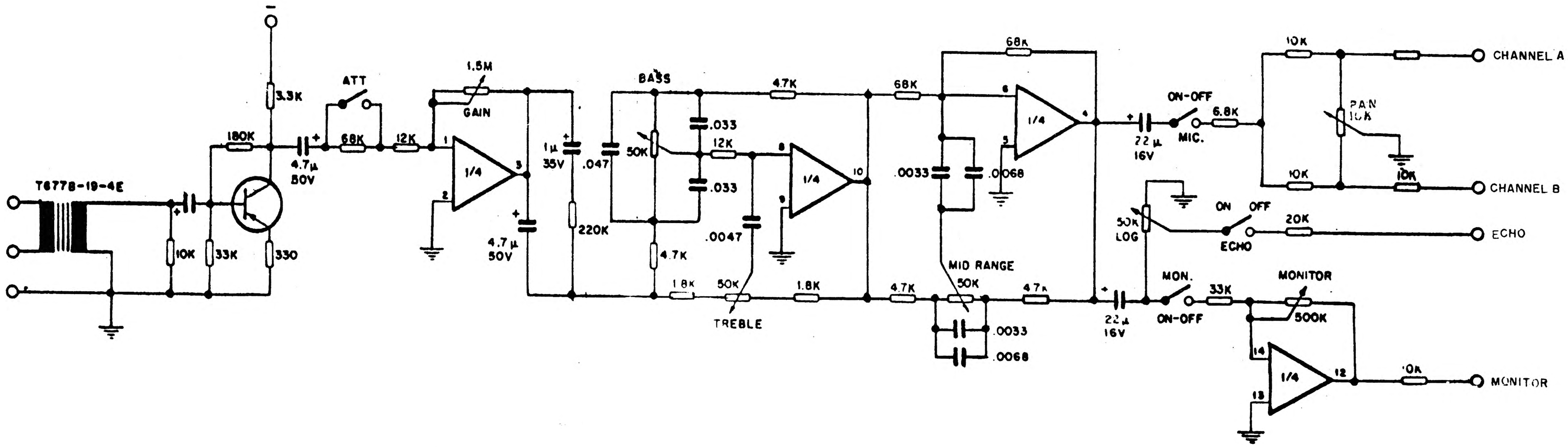
Resistência em OHMs
Capacitores em FARADS

MASTER e FOLDBACK

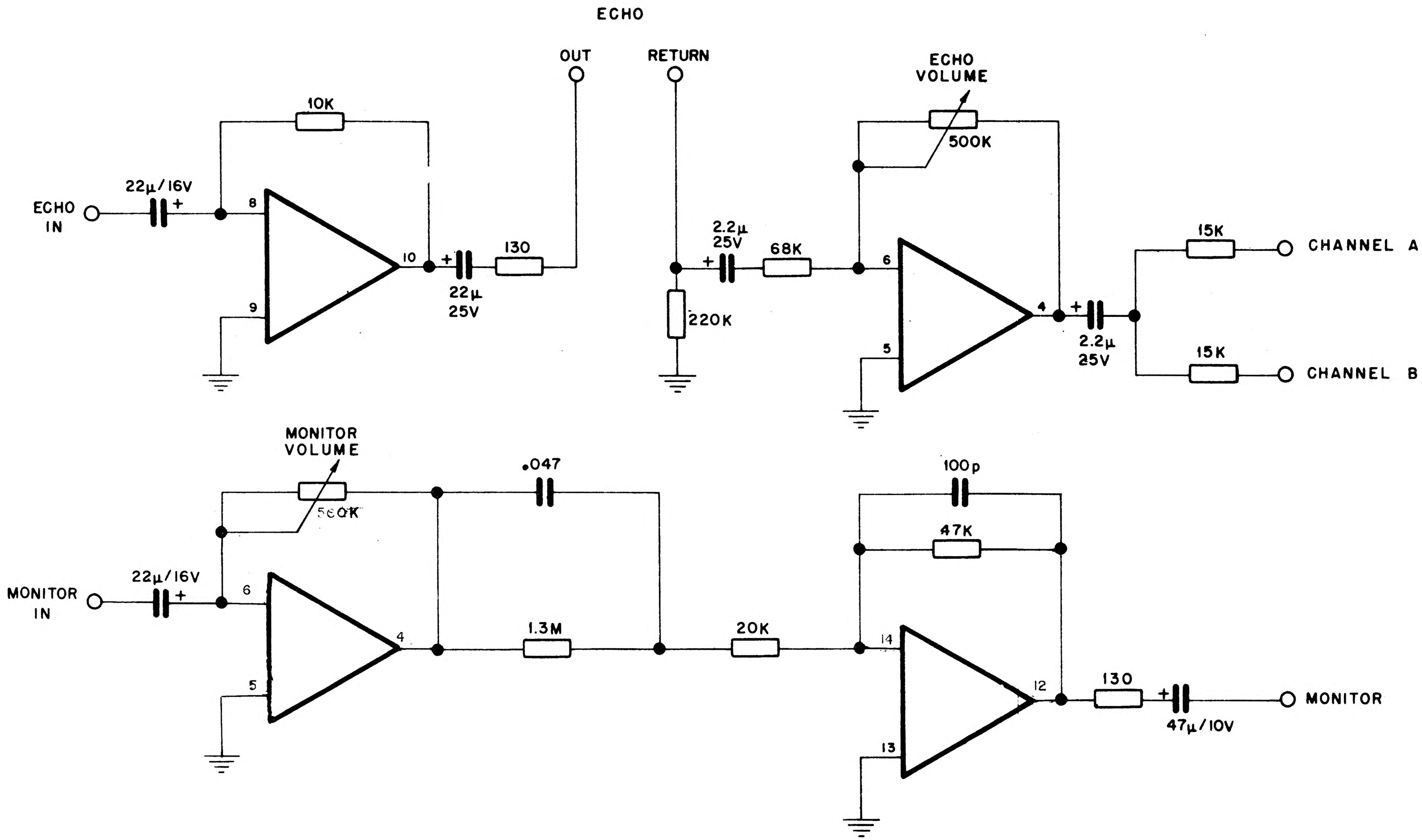

UNBALANCED HIG
BALANCED LOW
VOLUME
BASS
MID
TREBLE
PAN
MONITOR
EFFECTS
PRÉ
RIGHT
MASTER
ADJUST
V.U.
MONITOR _ EFFECTS
OUT MON
OUT EFF
20-60HZ
250HZ
1KHZ
3,5KHZ
10-20KHZ
OUT MST
EQUALIZER
X - 1/4 CI-11
XX - 1/4 CI-12
XXX - 1/4 CI-13
1 - LEFT CHANNEL
IN
POWER _ AMP
REDE
110VAC
220VAC
6,3VAC
29 VAC
17,5 VAC
POWER SUPPLY

MIXER DBAM - 12 (PRÉ)

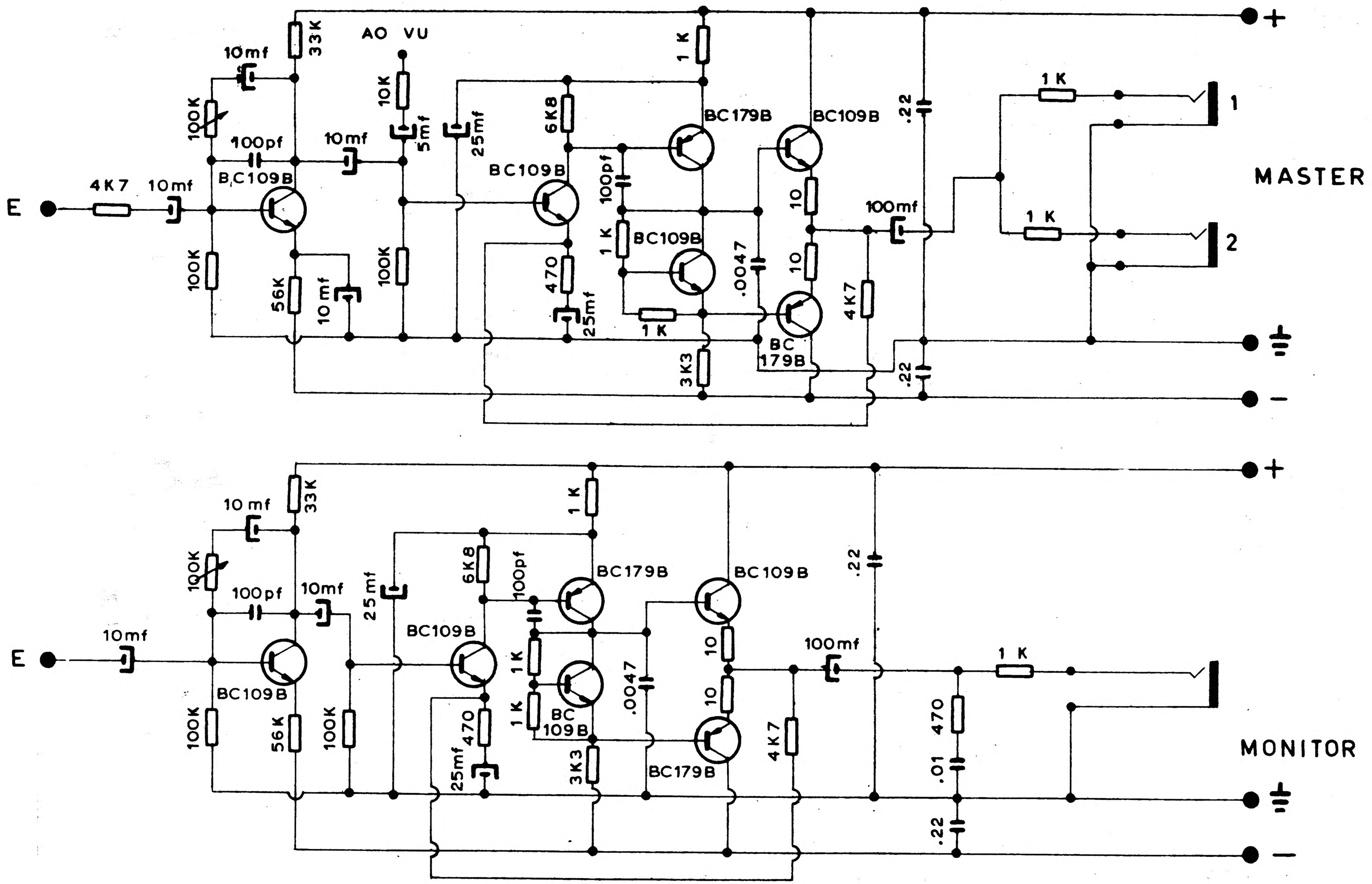



T6778-19-4E
10K
33K
180K
3.3K
330
4.7µ
50V
ATT
68K
12K
1.5M
GAIN
1/4
4.7µ
50V
1µ
35V
.047
220K
BASS
50K
.033
12K
.033
4.7K
.0047
1.8K
50K
TREBLE
1.8K
4.7K
68K
.0033
.0068
MID RANGE
50K
4.7K
.0033
.0068
68K
22µ
16V
ON-OFF
MIC.
6.8K
10K
PAN
10K
CHANNEL A
CHANNEL B
50K
LOG
ON
OFF
ECHO
20K
MON.
ON-OFF
33K
MONITOR
500K
10K
MONITOR

MIXER ECHO AND MONITOR DBAM 11/12



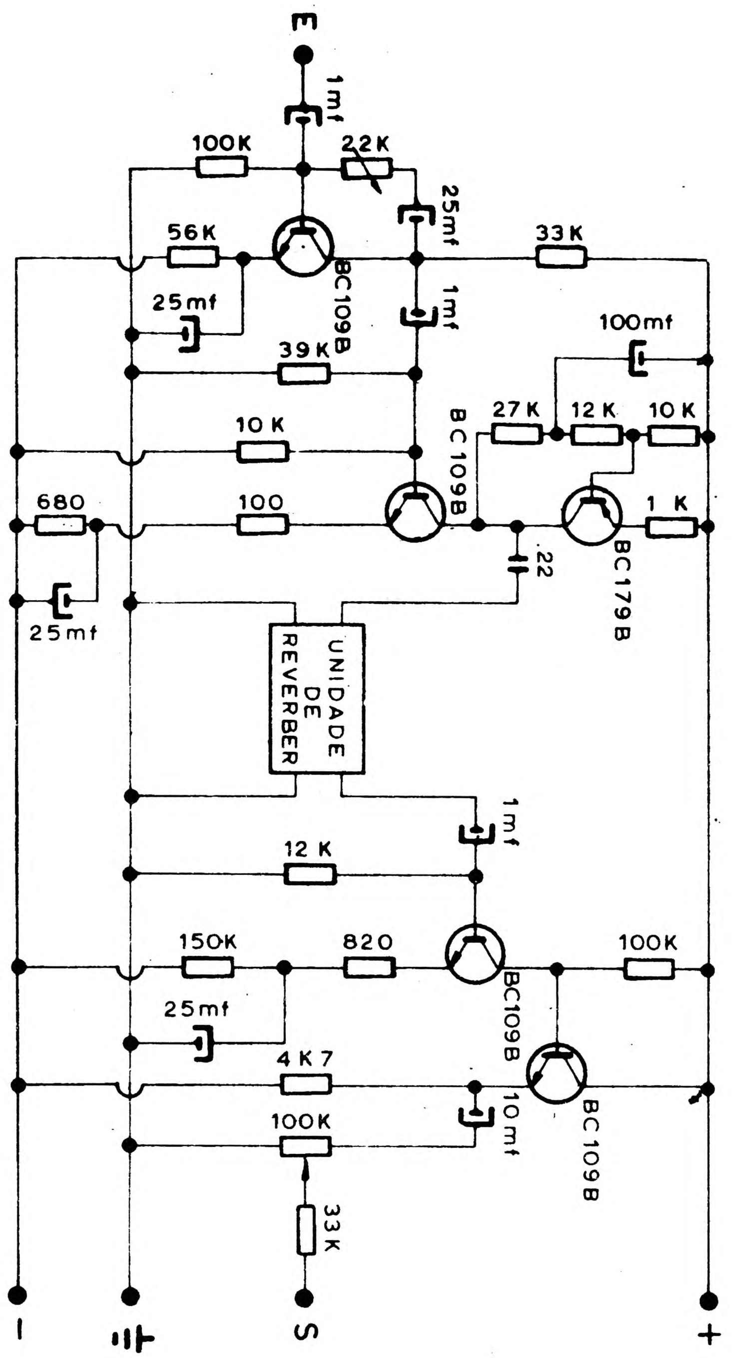
Resistência em OHMs
Capacitores em FARADS



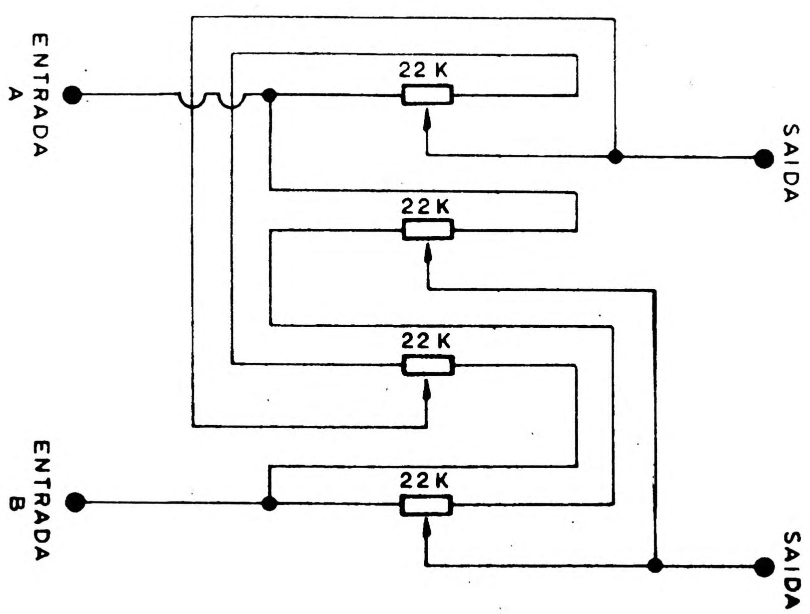
AO VU
E
4K7
10mf
100K
100pf
BC109B
33K
56K
10K
5mf
25mf
100K
6K8
470
BC179B
1 K
100pf
.0047
10
3K3
BC 179B
4K7
100mf
.22
1 K
1
2
MASTER
+
−
E
10mf
10 mf
BC109B
BC179B
BC 109B
.01
470
MONITOR

MIXER MESA DE SOM - MONITOR FONE / REVERBER - REVERSÃO

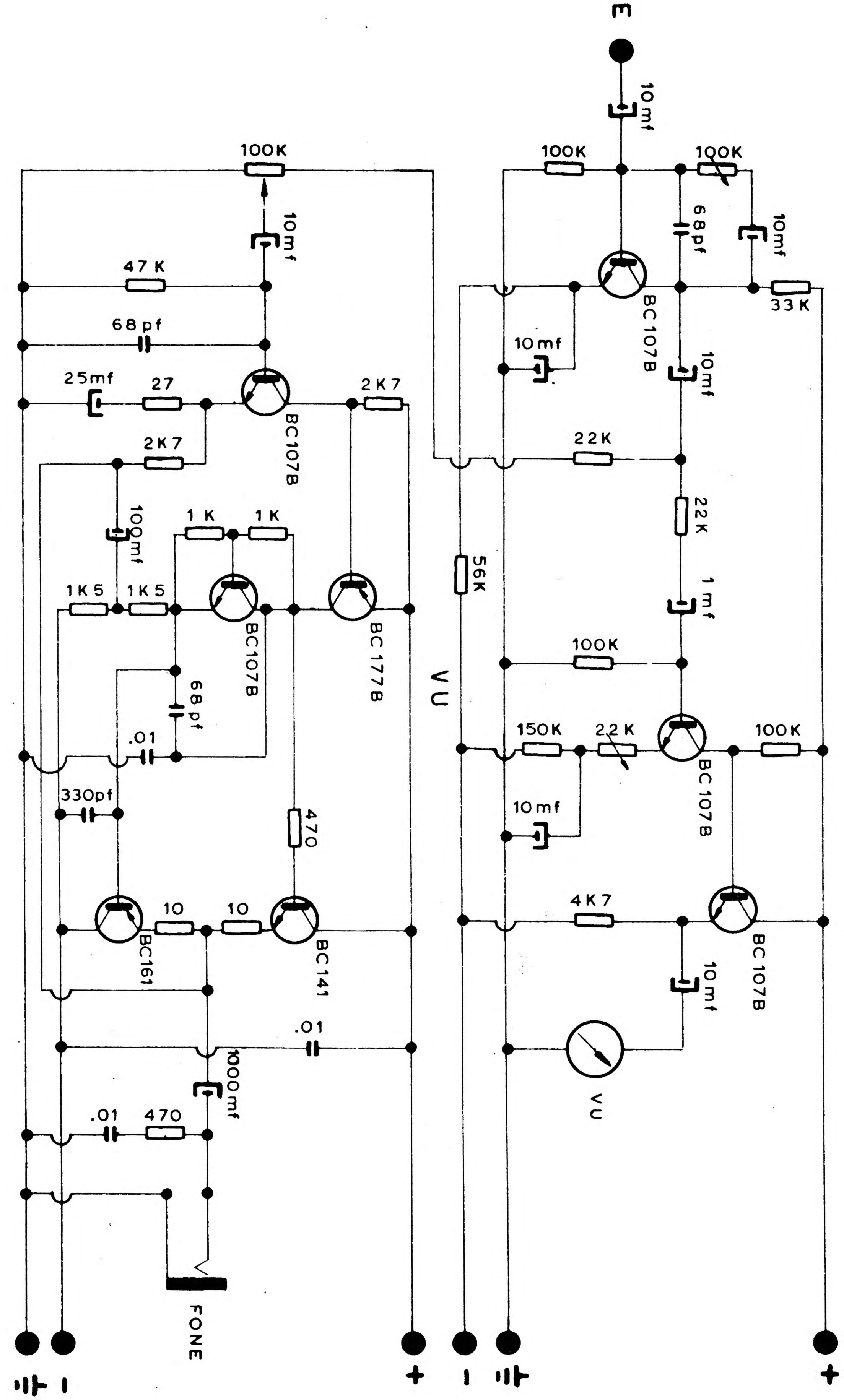
REVERBER

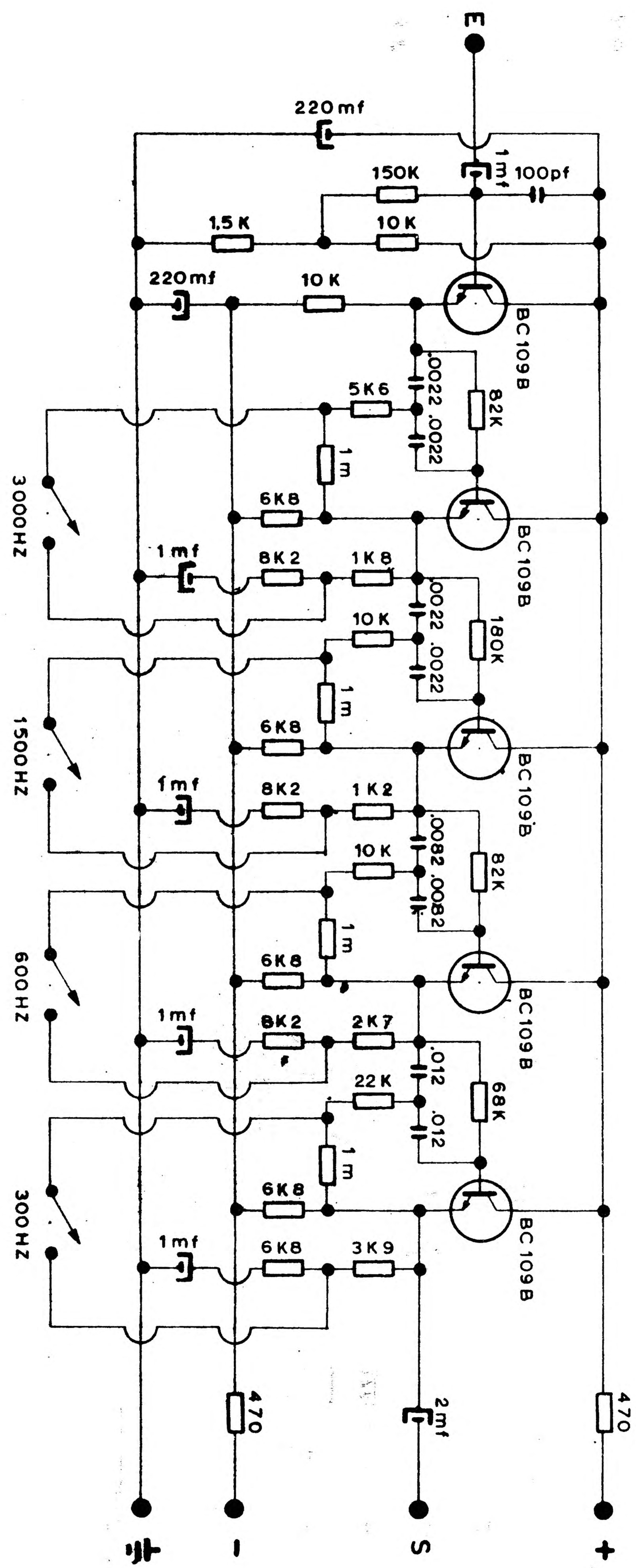


REVERÇÃO

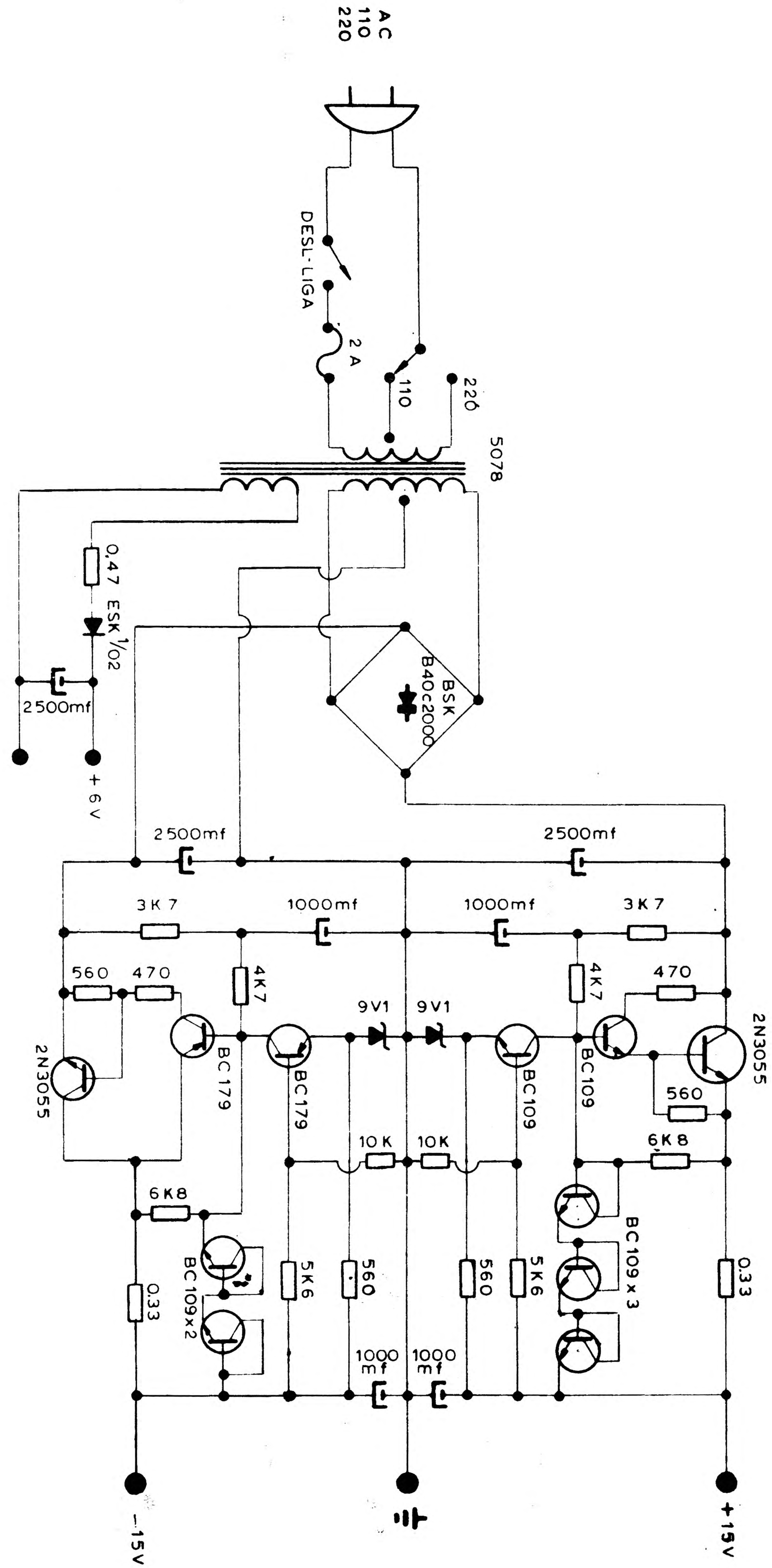


MONITOR FONE





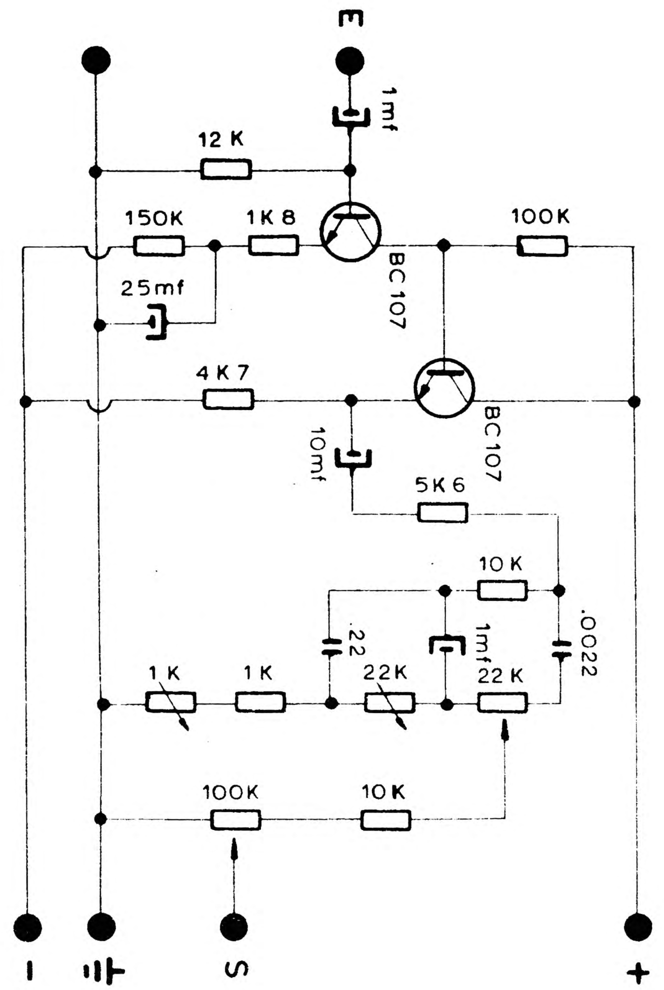
FILTRO



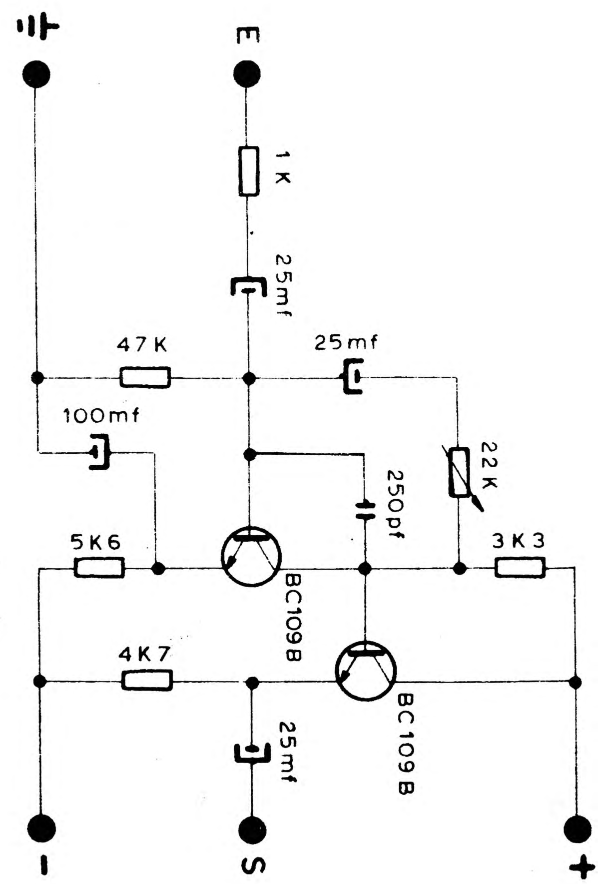
FONTE

MIXER MESA DE SOM-PRÉ/CONT. TONAL. MASTER-BOOSTER SAÍDA ECO MESA

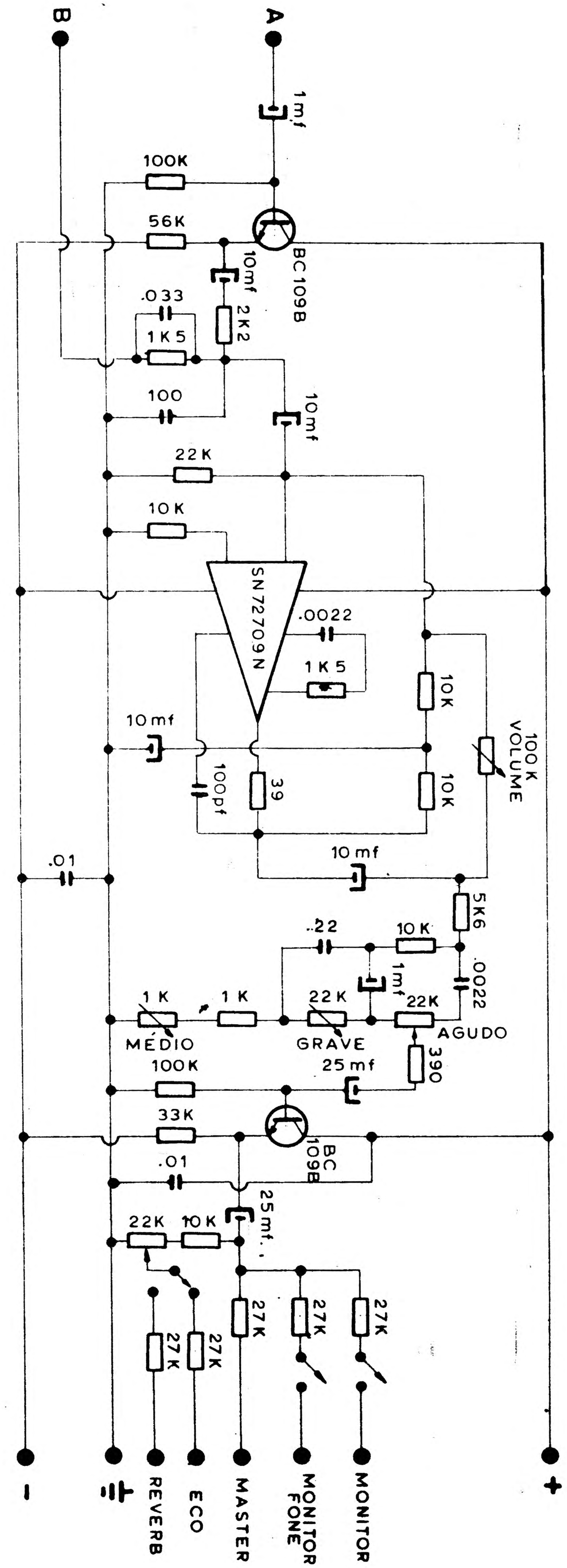
CONTROLE TONALIDADE MASTER



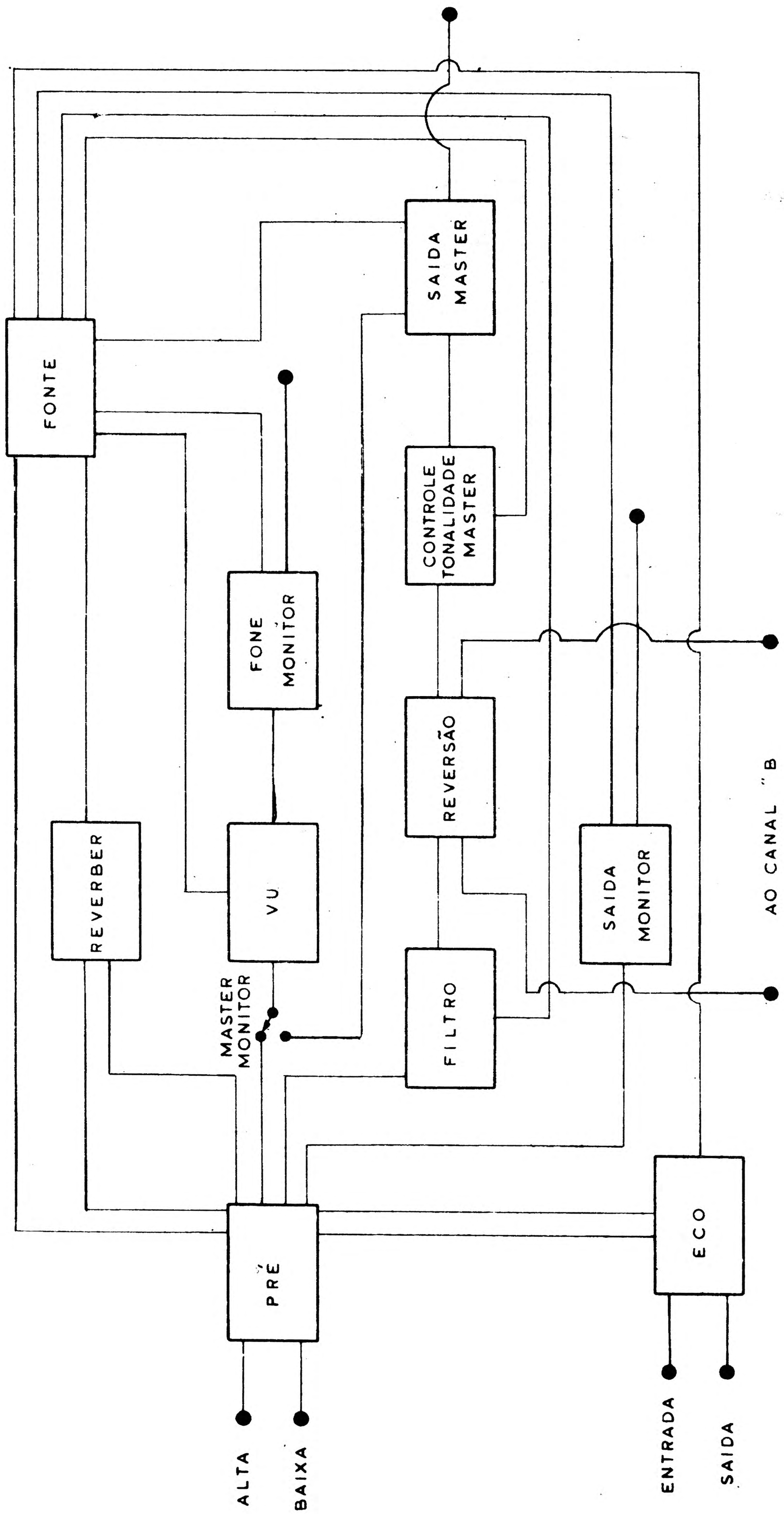
BOOSTER SAÍDA ECO MESA



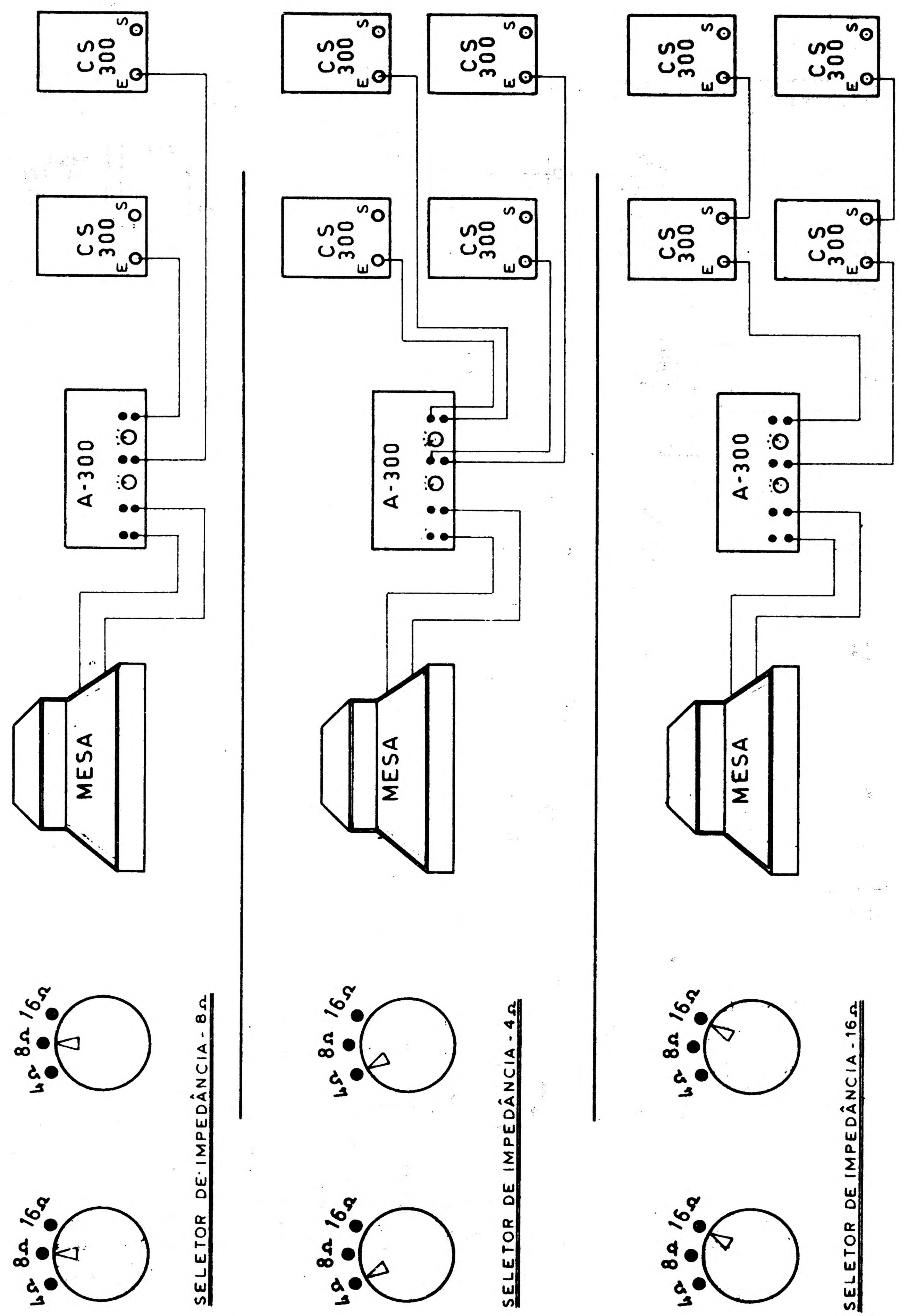
PRÉ



MIXER MESA DE SOM - SELETOR DE IMPEDÂNCIA / APRES. ESQUEMÁTICA

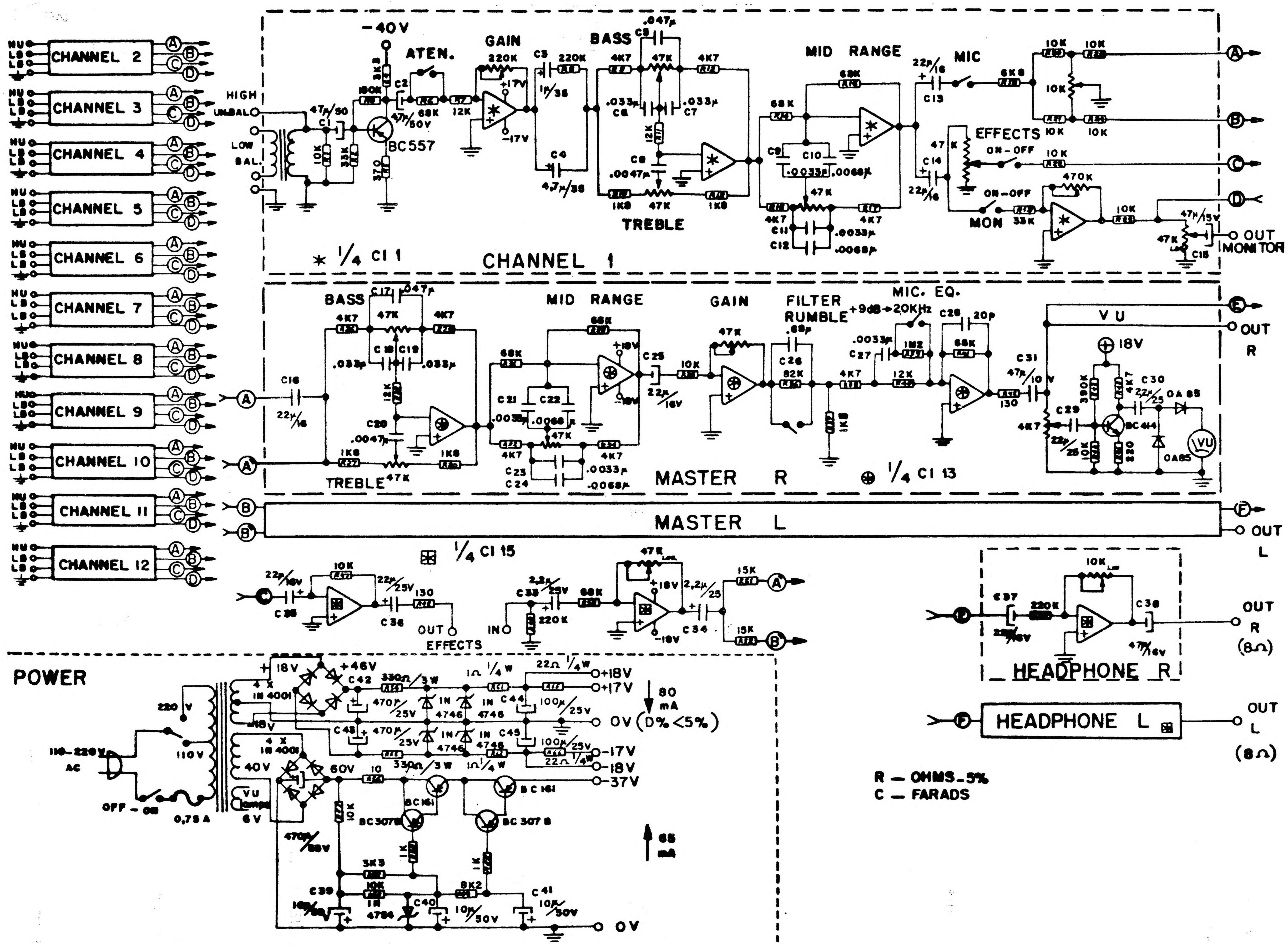


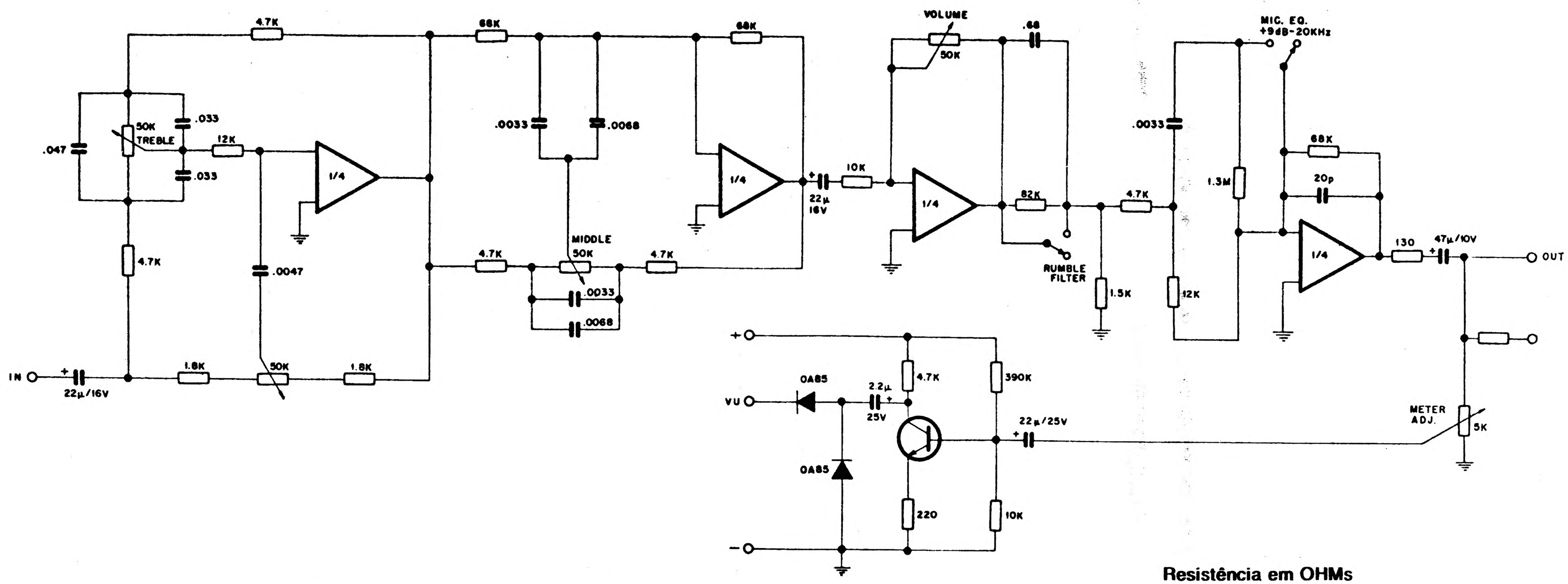
APRESENTAÇÃO ESQUEMÁTICA



SELETOR DE IMPEDÂNCIA

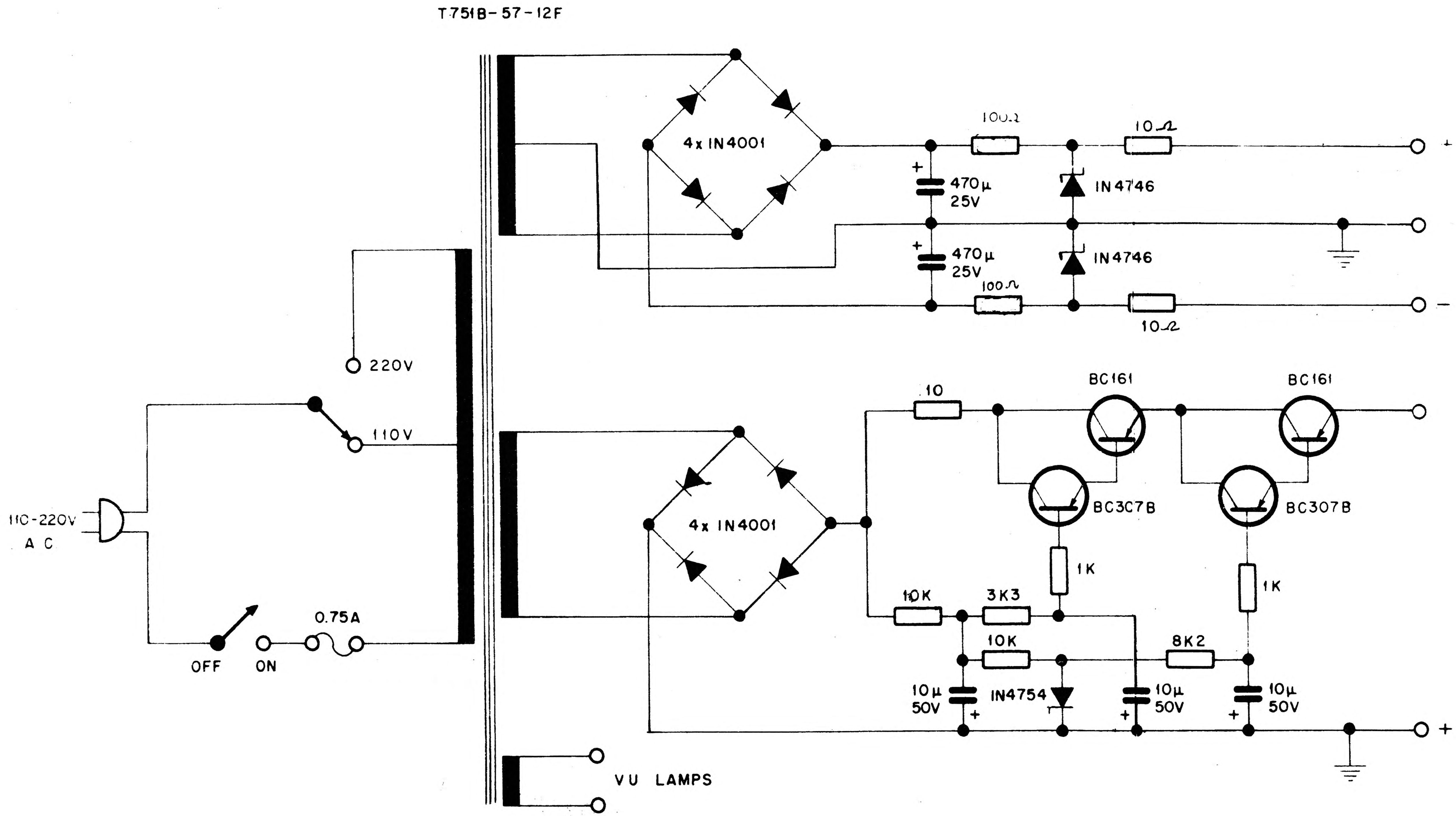
MIXER 12 CHANNELS DBAM 13



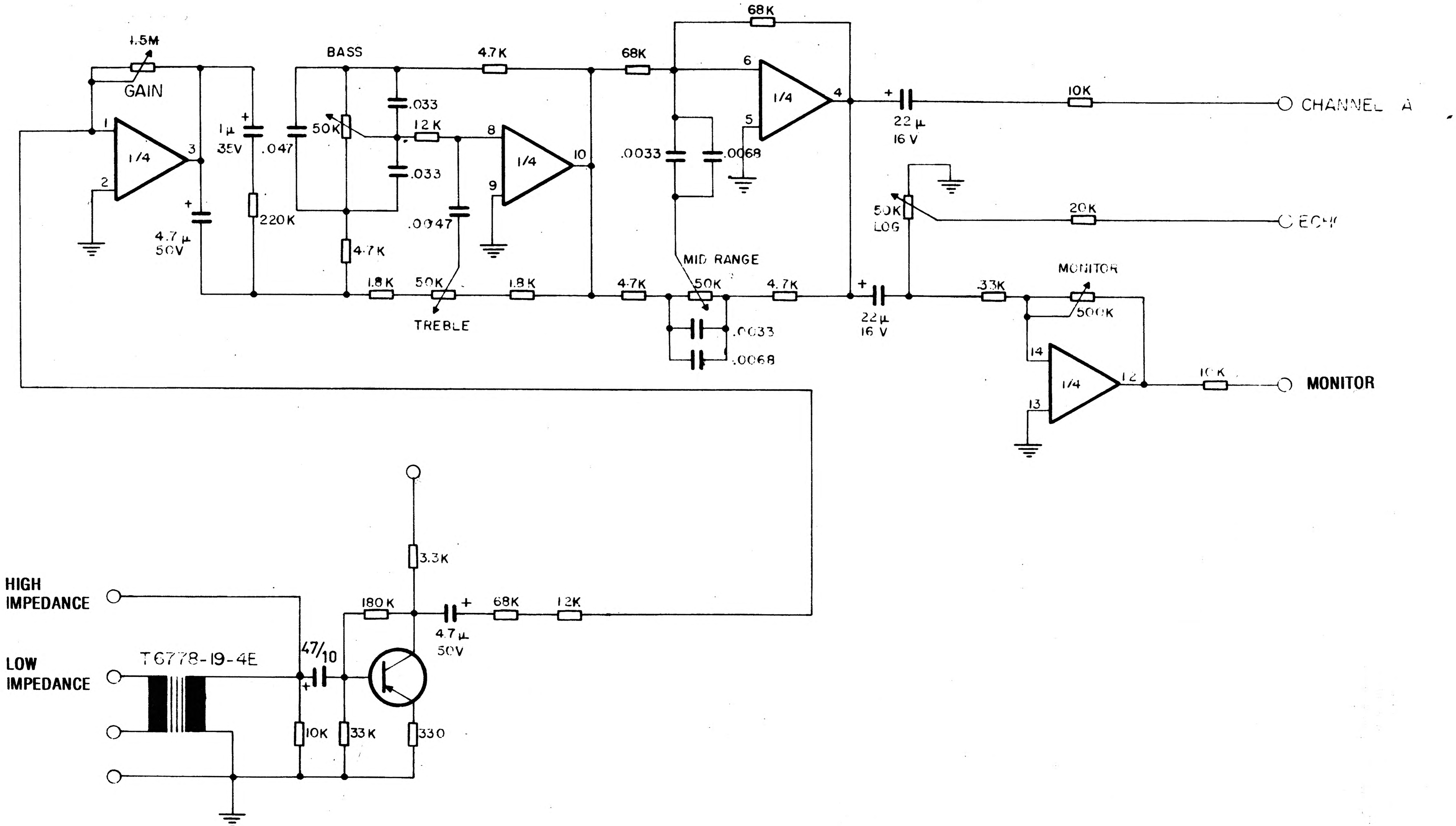


Resistência em OHMs
Capacitores em FARADS

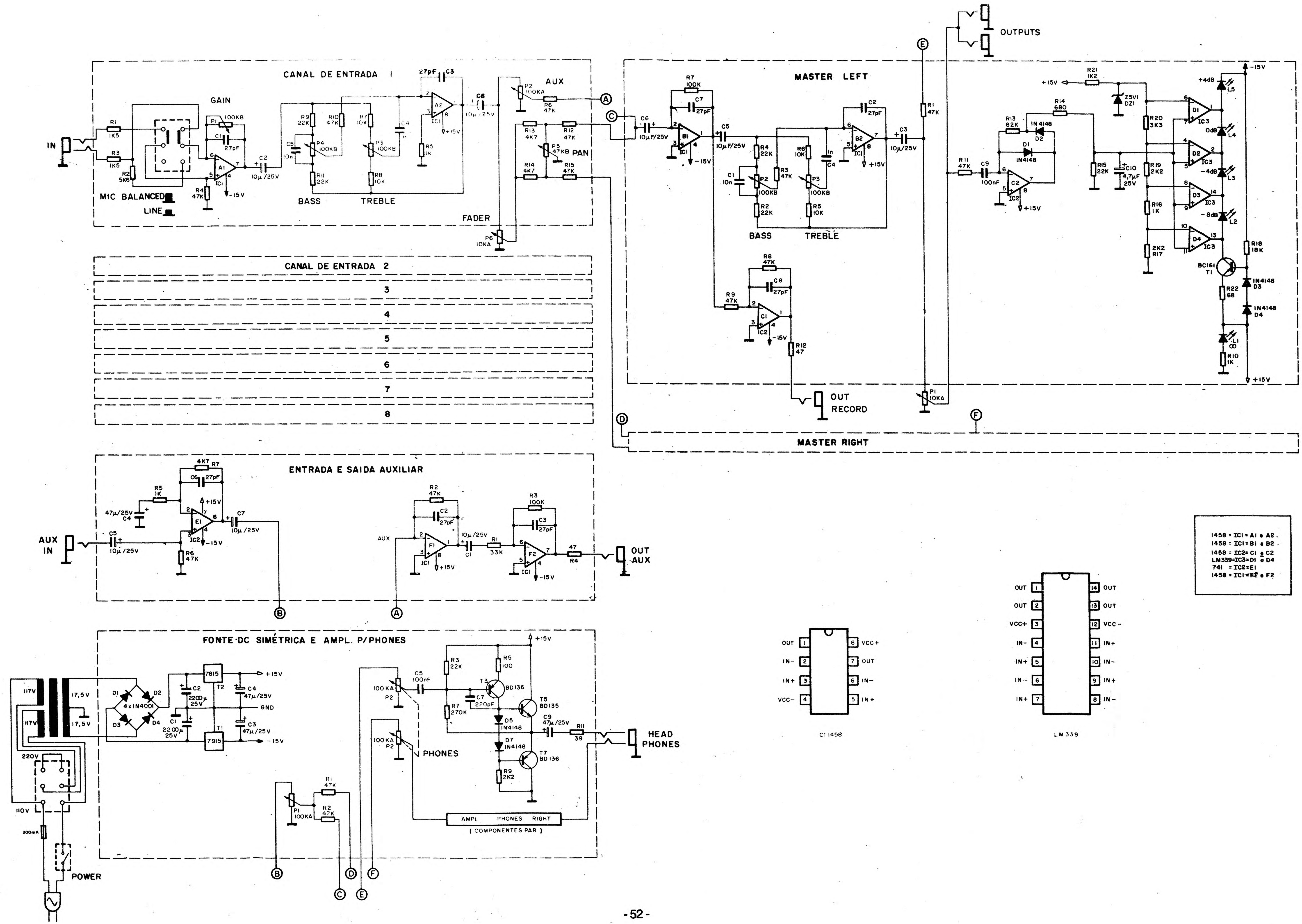
POWER SUPPLY MIXER 6-8-12 CHANNEL



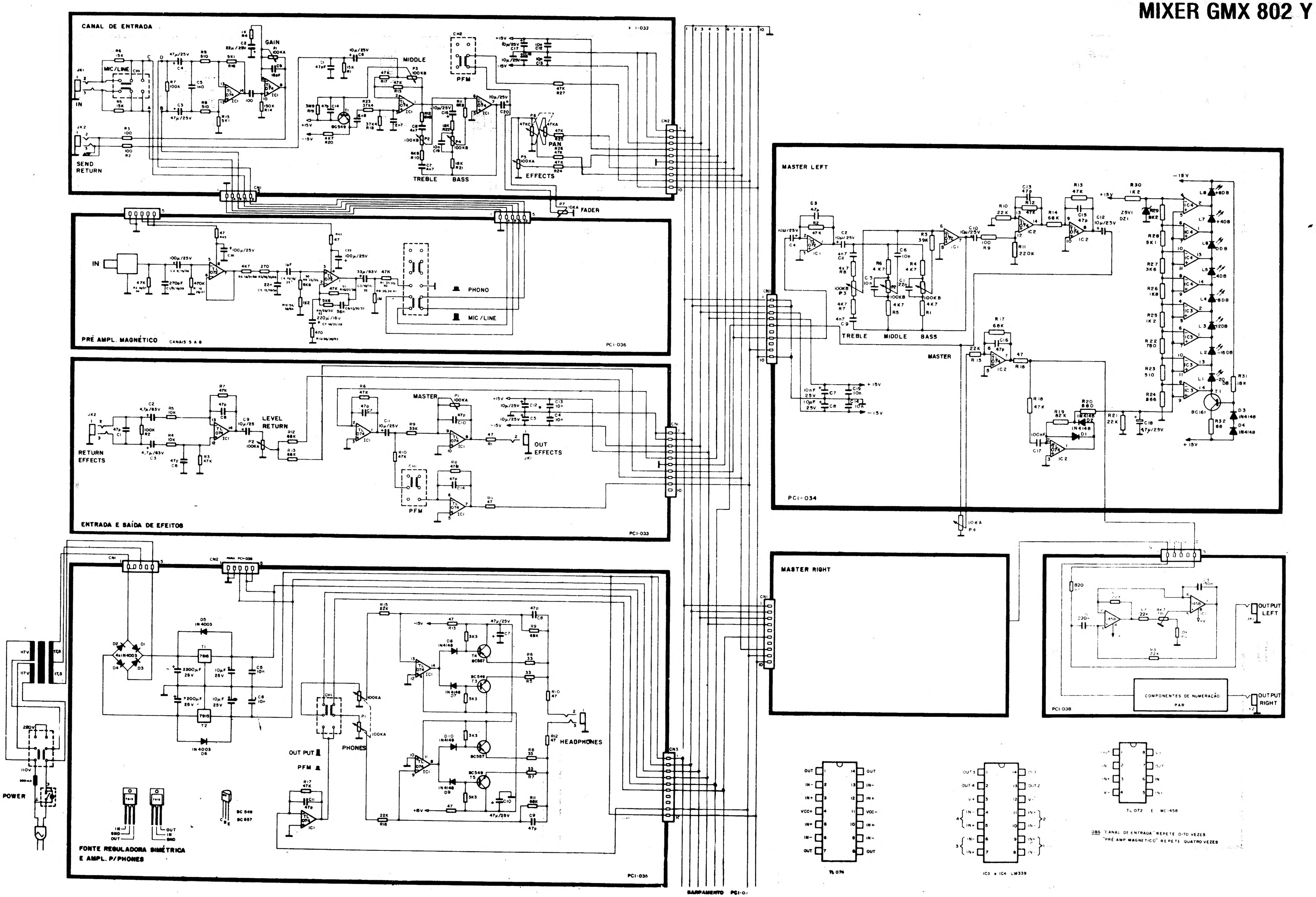
MIXER 6 CHANNEL PRÉ AMPLIFICADOR



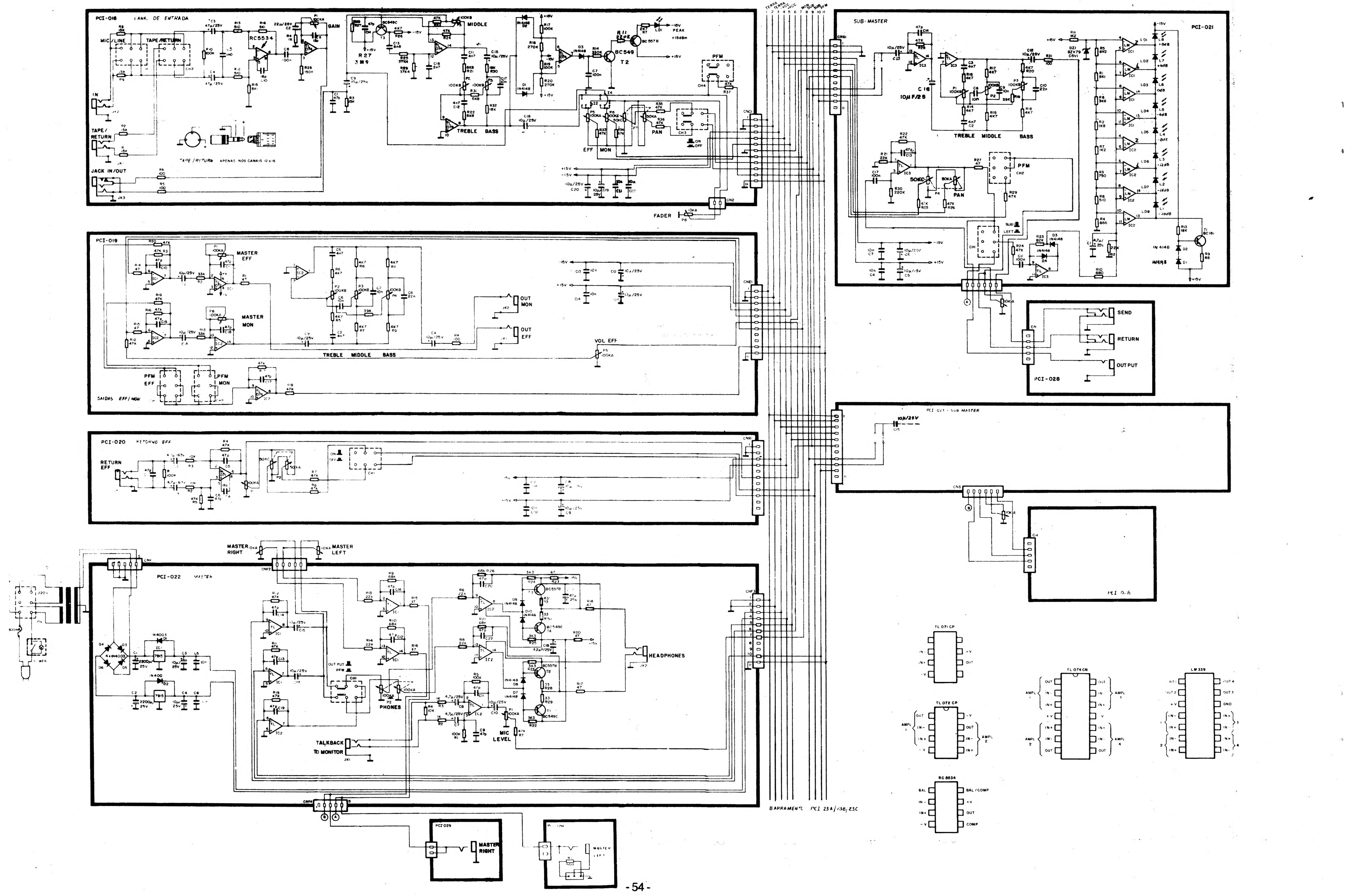
MIXER GMX 802 V



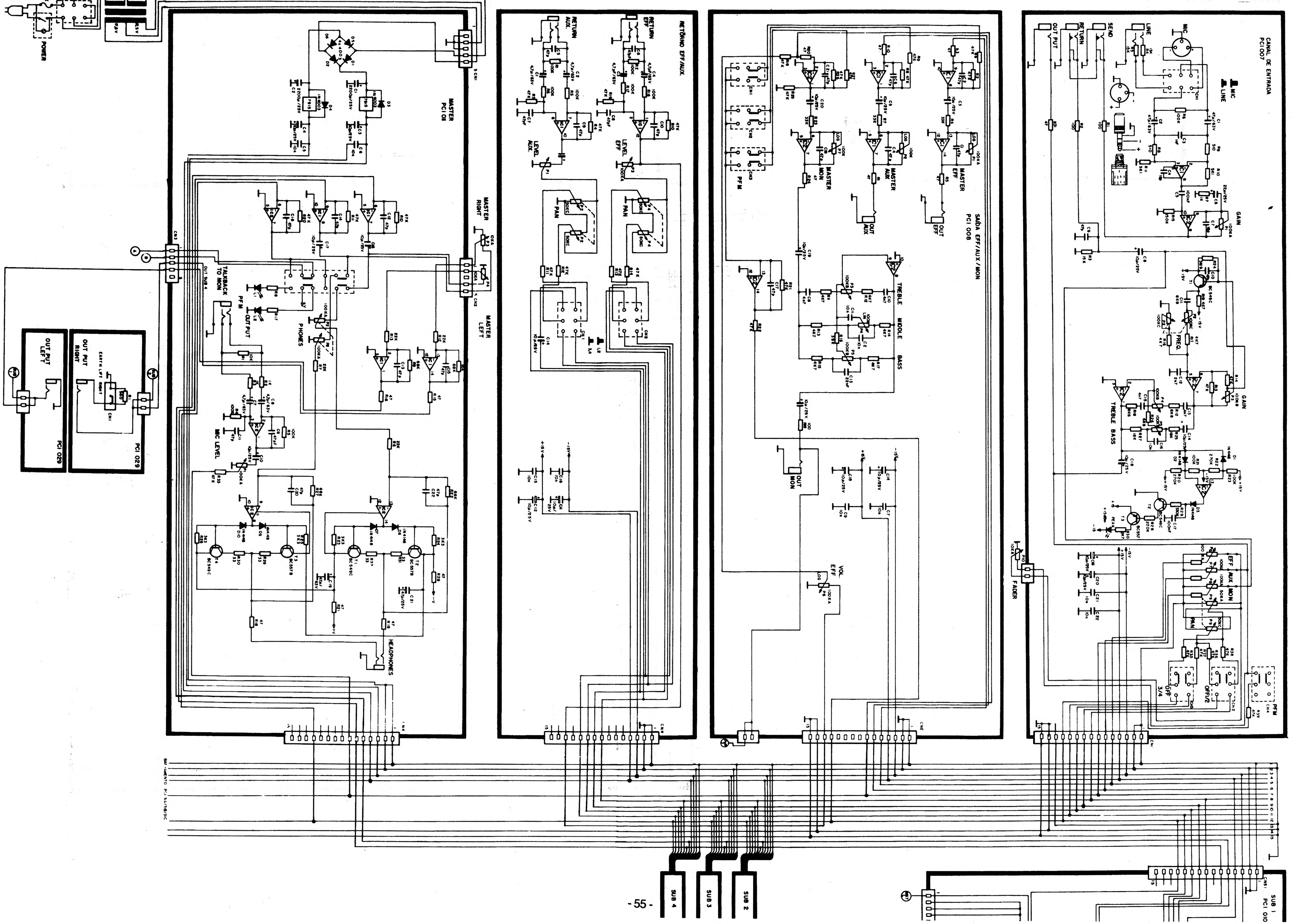
MIXER GMX 802 Y



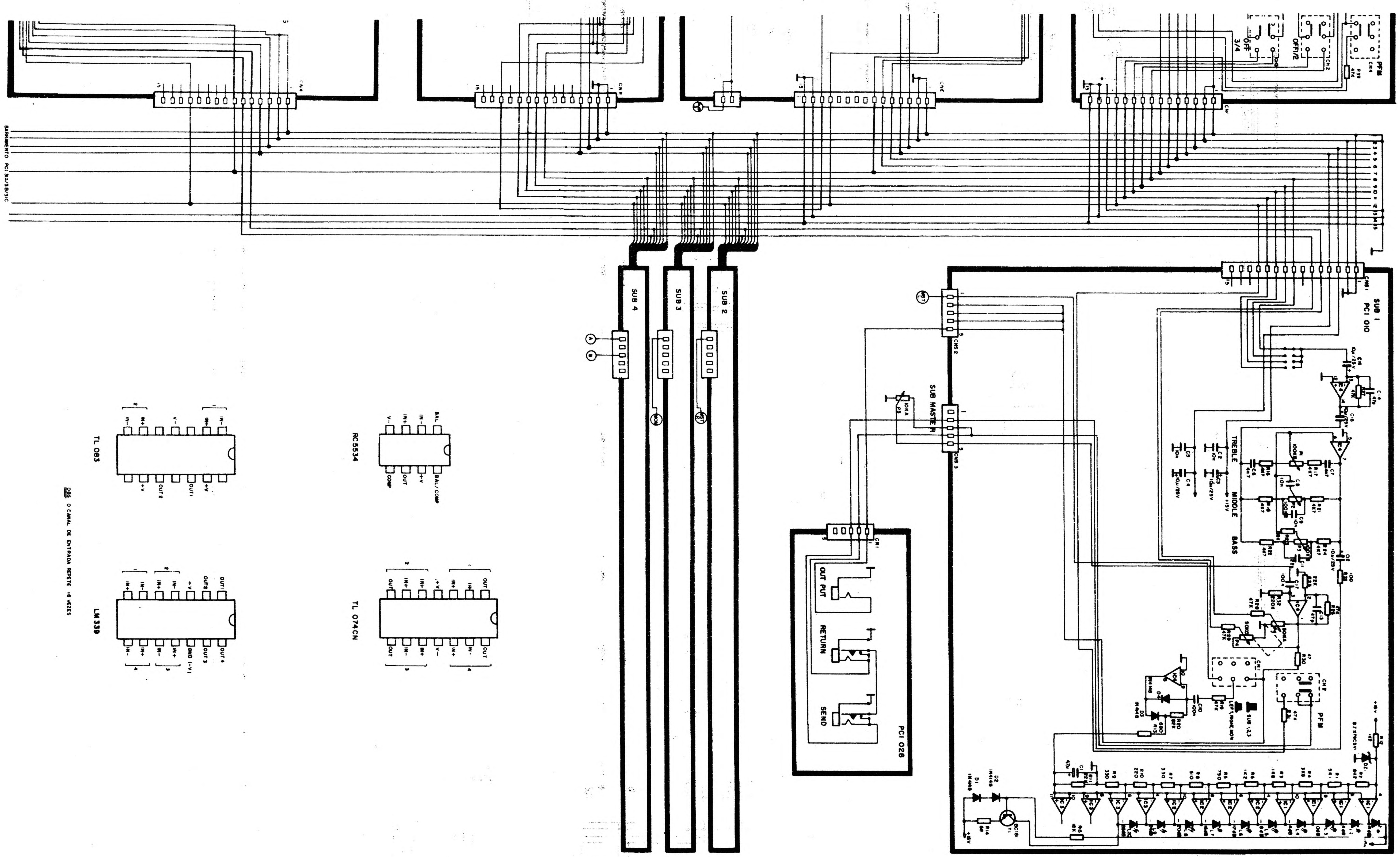
MIXER GMX 16' 2' 2Y



MIXER GMX 16' 4' 2Y

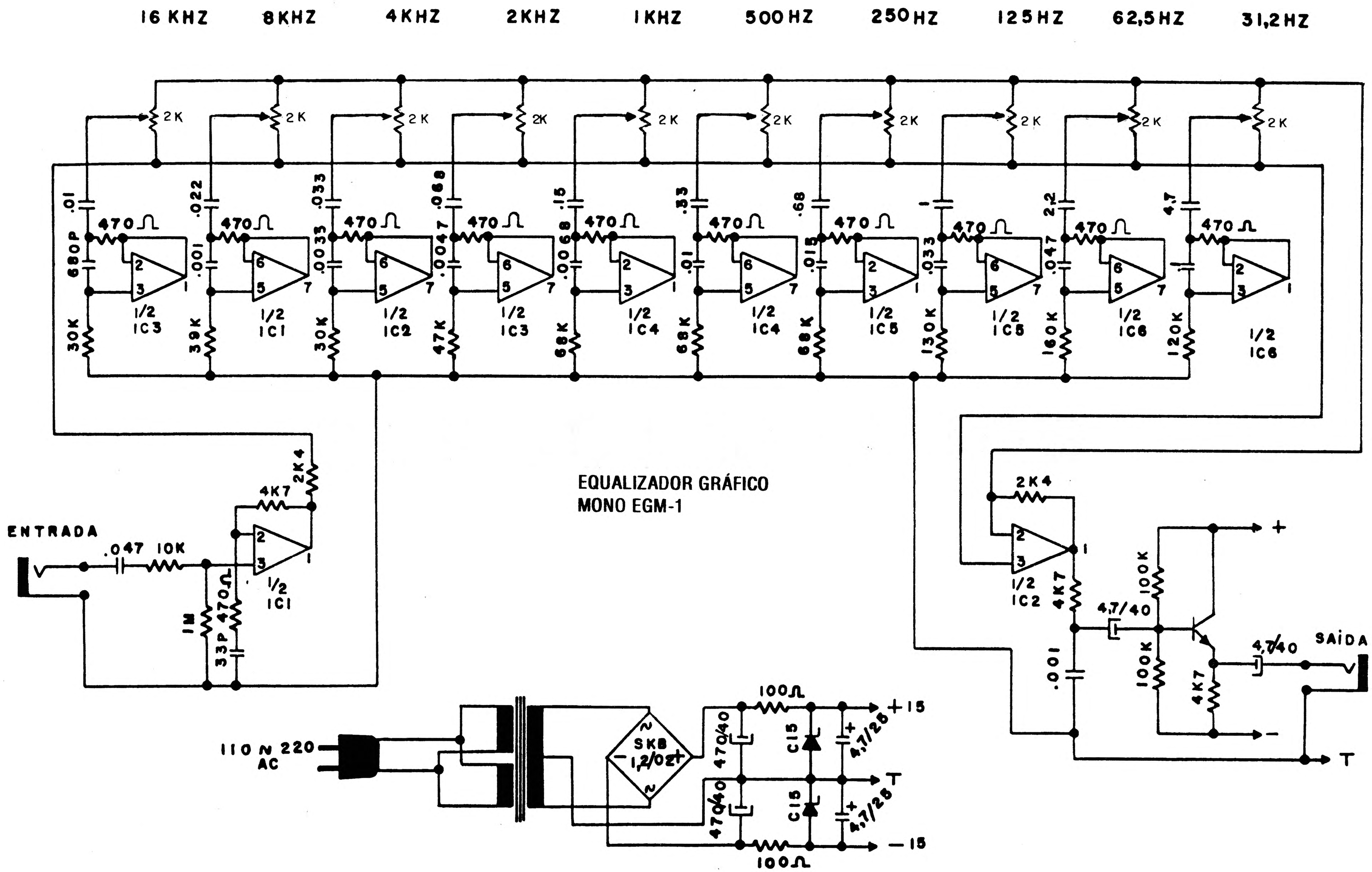


MIXER GMX 16' 4' 2Y

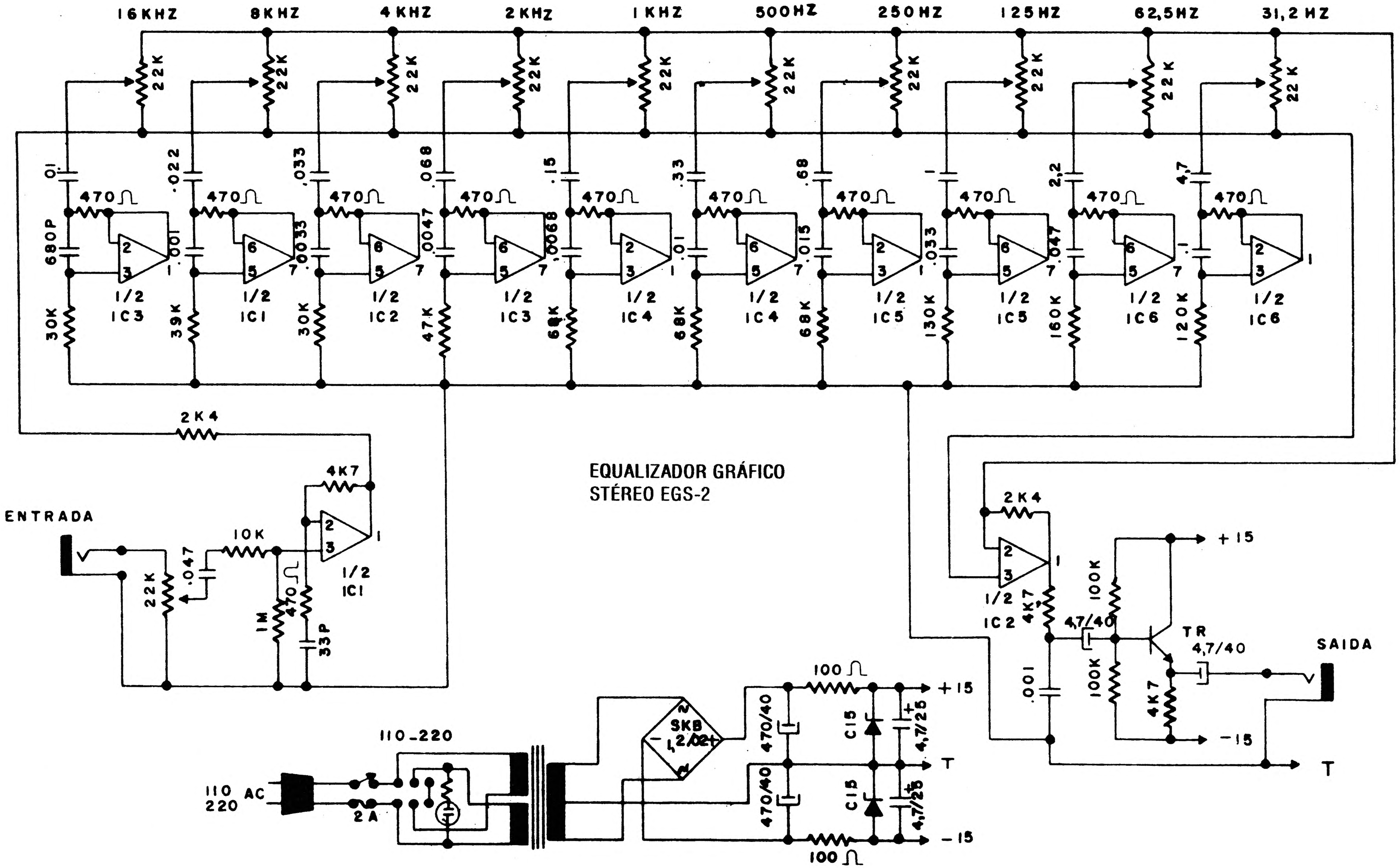


EQUALIZADORES

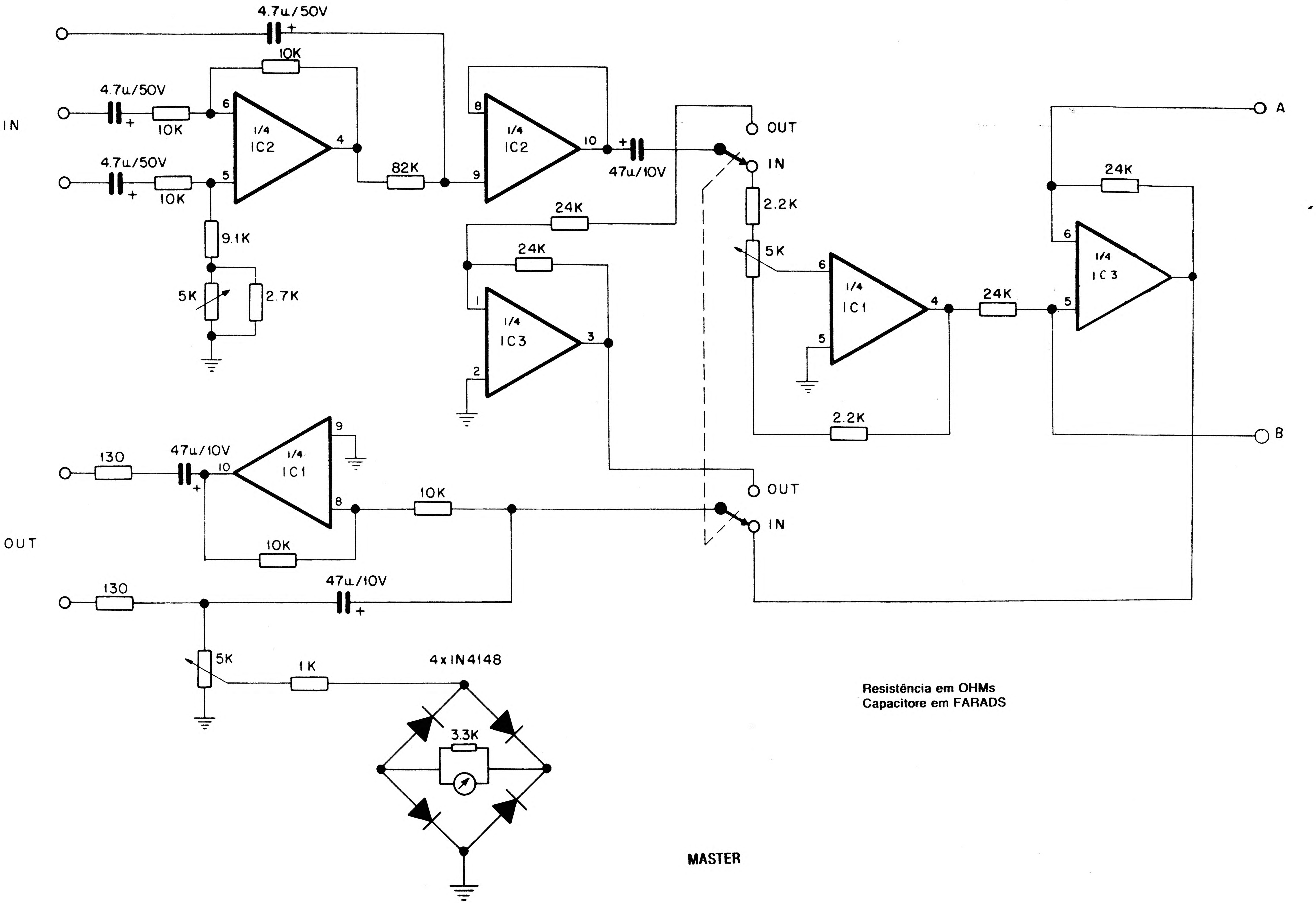
EQUALIZADOR BQ 1



EQUALIZADOR GRÁFICO
MONO EGM-1


16KHZ
8KHZ
4KHZ
2KHz
1KHZ
500HZ
250HZ
125HZ
62,5HZ
31,2HZ
22K
470Ω
1/2 IC1
1/2 IC2
1/2 IC3
1/2 IC4
1/2 IC5
1/2 IC6
2K4
4K7
10K
1M
33P
ENTRADA
EQUALIZADOR GRÁFICO
STÉREO EGS-2
100K
4,7/40
TR
SAIDA
+15
-15
T
110-220
110 AC
220
2A
SKB 1,2/02
470/40
C15
4,7/25
100Ω

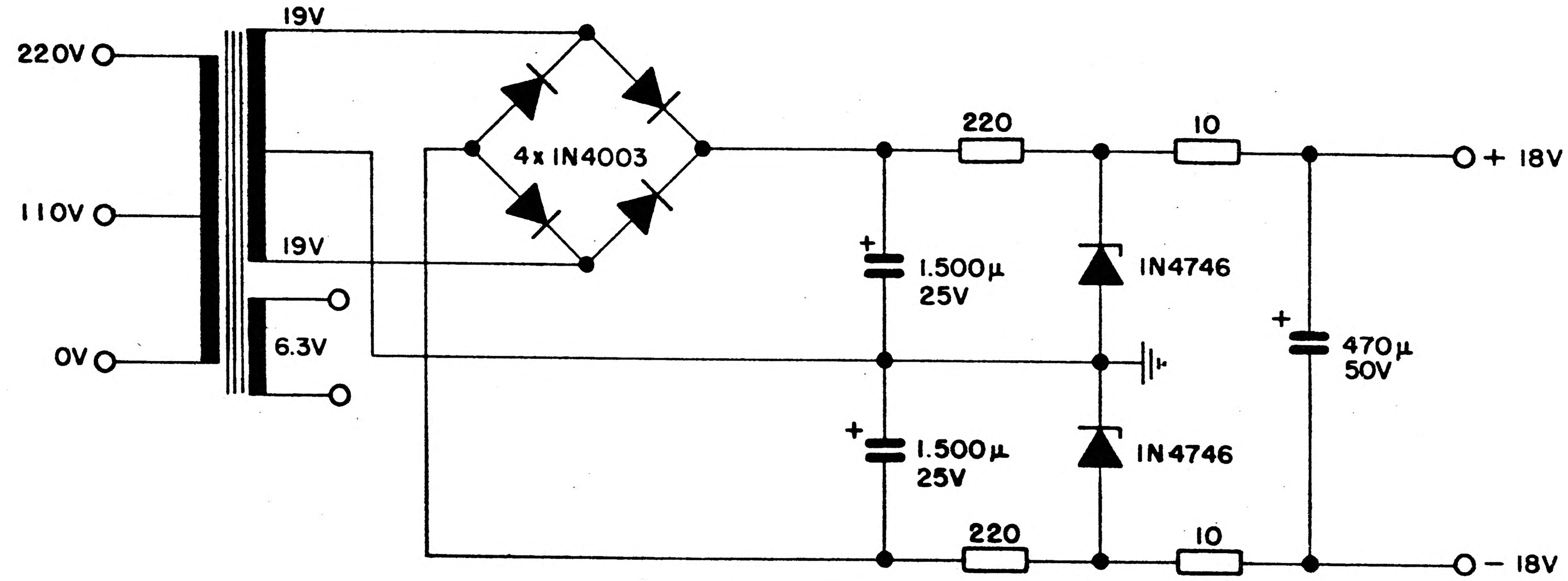
EQUALIZADOR BQ 3 - MASTER

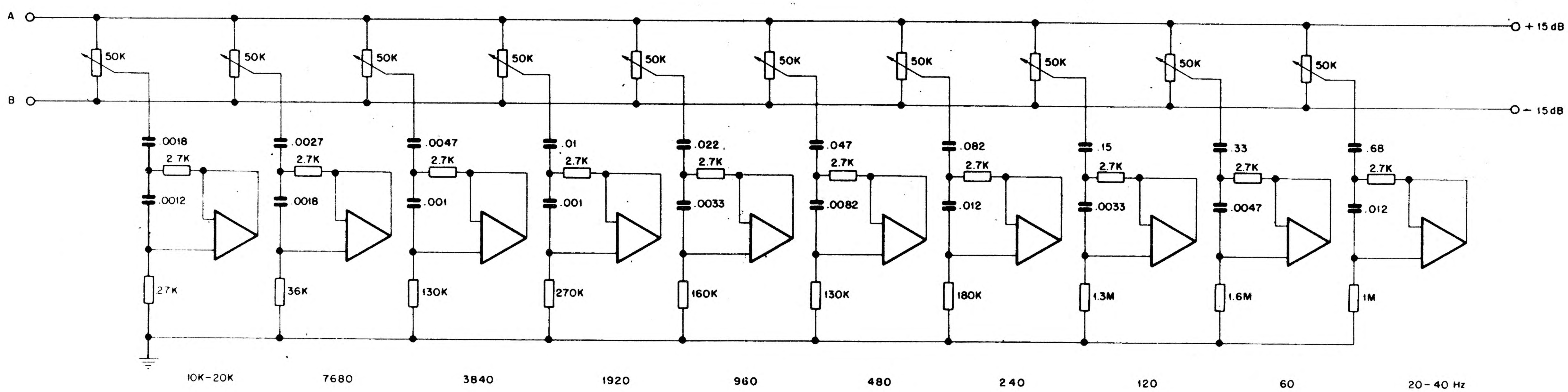


Resistência em OHMs
Capacitore em FARADS

MASTER

POWER





FILTROS

Resistência em OHMs
Capacitores em FARADS